



**UTAH  
HOSPITAL  
DISCHARGE  
DATABASE**

# **1998 PUBLIC-USE DATA FILE**

**USER'S MANUAL**

**Version III  
September 19, 2000**

**UTAH HEALTH DATA COMMITTEE  
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UTAH DEPARTMENT OF HEALTH**

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## INTRODUCTION

### Health Data Committee

The Health Data Committee, composed of 13 governor-appointed members, was created through the Utah Health Data Authority Act of 1991. The Committee is staffed by the Office of Health Care Statistics, which manages the Utah Hospital Discharge Database.

### Utah Hospital Discharge Database (UHDD)

Administrative Rule R428 became effective in December 1991, and mandates that all Utah licensed hospitals, both general acute care and specialty, shall report information on inpatient discharges, beginning with January 1, 1992. UHDD contains the consolidated information on complete billing, medical codes, and personal characteristics describing a patient, the services received, and charges billed for each inpatient hospital stay. Fifty-one Utah hospitals submitted data in 1998, including six psychiatric facilities, four specialty hospitals, and the Veterans Administration Medical Center. Shriners Hospital, a charity hospital, is exempt from reporting requirements.

### Public-Use Data Files (PDF)

UHDD Public-Use Data Files are designed to provide general health care information to a wide spectrum of users with minimal controls. A request for a PDF can be approved by the Director of the Health Care Statistics without further review.

Three different public data files are released for 1998 hospital discharge data (see page 6 for data elements and file descriptions).

### Data Processing and Quality

Data submission: The Health Data Plan provides data element definitions to ensure all hospitals will report similar data. The Office of Health Care Statistics receives discharge data quarterly from hospitals in various formats and media. The data are converted into a standardized format.

System Edits: The data are validated through a process of automated editing and report verification. Each record is subjected to a series of edits that check for accuracy, consistency, completeness, and conformity with the definitions specified in the Data Submittal Manual. Records failing the edit check are returned to the data supplier for correction or comment.

Hospital Reviews: Each hospital is provided with a 35 day review period to validate the Committee's data against their hospital records. Any inconsistencies discovered by the hospitals are reevaluated or corrected.

Missing Values: When dealing with unknown values, it is important to distinguish between systematic omission by hospital (e.g., for hospitals that were granted reporting exemption for particular data elements or which had coding problems that deemed the entire data from the hospital unusable), and non-systematic omission (e.g., coding problems, invalid codes, etc.). While systematic omission creates potential bias, non-systematic omission is assumed to occur randomly. The user is advised to examine missing values by hospital for each data element to be used.

### **Patient Confidentiality**

The Committee has taken considerable efforts to ensure that no individual patient could be identified from the PDF. Patient's age, diagnosis codes, physician's specialty, and payers are grouped. Several data elements are encrypted under specific conditions: (1) Utah zip and non-Utah zip-codes with less than 30 discharges in a calendar year are coded at the county or state level, (2) age, sex and zip codes for Major Diagnosis Code (MDC) 25-Human Immunodeficiency Virus Infection and Diagnosis Related Groups (DRG) 433-437 - Alcohol/Drug Abuse or Dependence, and (3) physician specialty for 7 rural hospitals with less than 30 beds which are Bear River Valley Hospital, Central Valley Medical Center, Delta Community Medical Center, Fillmore Community Medical Center, Garfield Memorial Hospital, Gunnison Valley Hospital, and Sanpete Valley Hospital.

### **Agreement to Protect Patient Confidentiality:**

The data collected by the Health Data Committee may be used only for the purpose of health statistical reporting and analysis or specified in the user's written request for the data; any effort to determine the identity of any reported cases is prohibited. No one will attempt to link this data set with individually identifiable records from any other data sets.

### **Uses of Hospital Data:**

The PDF includes data on charges and length of stay. Several factors affect the comparability of charge and LOS across hospitals, such as case-mix and severity complexity, payer-mix, market areas and hospital ownership, affiliation or teaching status. Any analysis of charge or LOS at the hospital level should consider the above factors. The Health Data Committee calculates case-mix index and APR-DRG resource intensity index for each of the hospitals in the data base and utilize the indices in analysis. Those indices, their methodology and a profile of Utah hospitals are appended at the end of the manual for users' reference (see Appendix A, B, and C).

### **Data Format:**

Standard format for the public data file is ASCII code, on a CD-Rom. Requests for other formats will be considered.

**Citation:**

Any statistical reporting or analysis based on the data shall cite the source as the following:

Utah Hospital Inpatient Discharge Data File (1998). Utah Health Data Committee/Office of Health Care Statistics, Utah Department of Health. Salt Lake City, Utah. 1998.

The DRG and APR-DRG fields in the data were generated using:

PC Grouper Software (Version 98.3). Wallingford CT, 3M Health Systems, April 1998.

Specifically, for the APR-DRG, the PC Grouper Software executes the following module:

APR-DRG Grouper (Versions 12.0 & 15.0), Wallingford CT, 3M Health Information Systems, April 1998.

The DRG is the HCFA defined DRG. The PC Grouper Software generates this using the following module:

DRG-HCFA Grouper (Versions 15.0 & 16.0), Wallingford CT, 3M Information Systems, April 1998.

**Redistribution:**

User shall not redistribute the Utah Hospital Inpatient Discharge Data File in its original format. User shall not redistribute any data products derived from the file without written permission from the Office of Health Care Statistics, Utah Department of Health.





## **FILE LAYOUT**

# RECORD LAYOUT OF PUBLIC USE DATA FILE I (98.1)

	FIELD NAME	CLASS	WIDTH	POSITION		VALID VALUES	Pg #
				From	To		
1	Provider Identifier (Hospital)	A	3	1	3	101-144, 201-209,301-307,801	11
2	Patient's age (in 5-yr. group)	N	3	4	6	0 - 21, 66,99	12
3	Patient's gender	A	1	7	7	M, F, U, E	12
4	Type of admission	A	1	8	8	1 - 4, 9	12
5	Source of admission						
	Non-newborns	A	1	9	9	0 - 9	13
	Newborns	A	1	10	10	0 - 4, 9	14
6	Length of stay	N	8	11	18	Days	14
7	Patient's discharge status	A	2	19	20	01 - 08, 20, 40 - 42	14
8	Patient's postal zip code	A	5	21	25	84000-84799, -4444, -5555, -6666, -8888, -9999, AZ..WV	15
9	Patient's residential county	N	3	26	28	1 - 29, 44, 55, 66, 77, 88, 99	17
10	Patient 's cross-county migrant status	A	1	29	29	Y, N, U	19
11	Patient's marital status	A	1	30	30	S, M, X, D, W, U	19
12	Patient's race and ethnicity	A	2	31	32	W, WH, NW, NH, UK	19
13	Principal diagnosis code	A	5	33	37	xxxxx	19
14	Secondary diagnosis code 1	A	5	38	42	xxxxx	19
15	Secondary diagnosis code 2	A	5	43	47	xxxxx	19
16	Secondary diagnosis code 3	A	5	48	52	xxxxx	19
17	Secondary diagnosis code 4	A	5	53	57	xxxxx	19
18	Principal procedure	A	4	58	61	xxxx	20
19	Secondary procedure 1	A	4	62	65	xxxx	20
20	Secondary procedure 2	A	4	66	69	xxxx	20
21	DRG	N	3	70	72	1 - 495	21
22	MDC	N	3	73	75	1-25, 0	32
23	Total charge	N	10	76	85	12345678.00	33
24	Facility charge	N	10	86	95	12345678.00	33
25	Professional charge	N	10	96	105	12345678.00	33
26	Admitting physician specialty	A	7	106	112	Specialty codes	33
27	Attending physician specialty	A	7	113	119	Specialty codes	33
28	Other consultant physician specialty	A	7	120	126	Specialty codes	33
29	Surgeon's specialty	A	7	127	133	Specialty codes	33
30	Primary payer category	A	2	134	135	1 - 10,13,99	36
31	Secondary payer category	A	2	136	137	1 - 10,13,99	36

A=Alphanumeric characters N=All numeric characters

	FIELD NAME	CLASS	WIDTH	POSITION	VALID VALUES	Pg No.
				From To		
32	Tertiary payer category	A	2	138 - 139	1 - 10,13,99	36
33	Patient's relationship to 1st insured	N	3	140 - 142	1 - 19, 99	37
34	Outlier, total charge	N	3	143 - 145	1,0	37
35	Outlier, length of stay	N	3	146 - 148	1,0	38
36	APR-DRG	N	3	149 - 151	1-791	38
37	Patient Severity Subclass Value	A	1	152 - 152	0-4	55
38	Discharge Quarter	A	1	153 - 153	1-4	55
39	Record ID number	N	8	154 - 161	12345678	55
40	Secondary Diagnosis Code 5	A	5	162 - 166	xxxxx	19
41	Secondary Diagnosis Code 6	A	5	167 - 171	xxxxx	19
42	Secondary Diagnosis Code 7	A	5	172 - 176	xxxxx	20
43	Secondary Diagnosis Code 8	A	5	177 - 181	xxxxx	20
44	Secondary Procedure Code 3	A	4	182 - 185	xxxx	20
45	Secondary Procedure Code 4	A	4	186 - 189	xxxx	20
46	Secondary Procedure Code 5	A	4	190 - 193	xxxx	20
47	ECODE	A	5	194 - 198	xxxxx	55

A=Alphanumeric characters      N=All numeric characters

## RECORD LAYOUT OF PUBLIC USE DATA FILE II (98.2)

	FIELD NAME	CLASS	WIDTH	POSITION		VALID VALUES	Pg No.
				From	To		
1	Provider Identifier (Hospital)	A	3	1	3	101-144, 201-209, 301-307, 801	11
2	Patient's age (in 5-yr. group)	N	3	4	6	0 - 21, 66, 99	12
3	Patient's gender	A	1	7	7	M, F, U, E	12
4	Type of admission	A	1	8	8	1 - 4, 9	12
5	Source of admission						
	Non-newborns	A	1	9	9	0 - 9	13
	Newborns	A	1	10	10	0 - 4, 9	14
6	Length of stay	N	8	11	18	Days	14
7	Patient's discharge status	A	2	19	20	01 - 08, 20, 40 - 42	14
8	Patient's postal zip code	A	5	21	25	84000-84799, -4444, -5555, -6666, -8888, -9999, AZ..WV	15
9	Patient's residential county	N	3	26	28	1 - 29, 44, 55, 66, 77, 88, 99	17
10	Principal diagnosis code	A	5	33	37	xxxxx	19
11	Secondary diagnosis code 1	A	5	38	42	xxxxx	19
12	Secondary diagnosis code 2	A	5	43	47	xxxxx	19
13	Secondary diagnosis code 3	A	5	48	52	xxxxx	19
14	Secondary diagnosis code 4	A	5	53	57	xxxxx	19
15	Principal procedure	A	4	58	61	xxxx	20
16	Secondary procedure 1	A	4	62	65	xxxx	20
17	Secondary procedure 2	A	4	66	69	xxxx	20
18	DRG	N	3	70	72	1 - 495	21
19	MDC	N	3	73	75	1-25, 0	32
20	Total charge	N	10	76	85	12345678.00	33
21	Facility charge	N	10	86	95	12345678.00	33
22	Professional charge	N	10	96	105	12345678.00	33
23	Primary payer category	A	2	134	135	1 - 10, 13, 99	36
24	Patient's relationship to 1st insured	N	3	140	142	1 - 19, 99	37
25	Outlier, total charge	N	3	143	145	1, 0	37
26	Outlier, length of stay	N	3	146	148	1, 0	38
27	Record ID number	N	8	154	161	12345678	55
28	Secondary Diagnosis Code 5	A	5	162	166	xxxxx	19

	FIELD NAME	CLASS	WIDTH	POSITION From To	VALID VALUES	Pg No.
29	Secondary Diagnosis Code 6	A	5	167 - 171	xxxxx	19
30	Secondary Diagnosis Code 7	A	5	172 - 176	xxxxx	20
31	Secondary Diagnosis Code 8	A	5	177 - 181	xxxxx	20
32	Secondary Procedure Code 3	A	4	182 - 185	xxxx	20
33	Secondary Procedure Code 4	A	4	186 - 189	xxxx	20
34	Secondary Procedure Code 5	A	4	190 - 193	xxxx	20
A=Alphanumeric characters      N=All numeric characters						

## RECORD LAYOUT OF PUBLIC USE DATA FILE III (98.3)

	FIELD NAME	CLASS	WIDTH	POSITION From To	VALID VALUES	Pg No.
1	Provider Identifier (Hospital)	A	3	1 - 3	101-144, 201-209,301-307,801	11
2	Patient's age (in 5-yr. group)	N	3	4 - 6	0 - 21, 66,99	12
3	Patient's gender	A	1	7 - 7	M, F, U, E	12
4	Length of stay	N	8	11 - 18	Days	14
5	Patient's discharge status	A	2	19 - 20	01 - 08, 20, 40 - 42	14
6	Patient's residential county	N	3	26 - 28	1 - 29, 44, 55, 66, 77, 88, 99	17
7	Principal diagnosis code	A	5	33 - 37	xxxxx	19
8	Principal procedure	A	4	58 - 61	xxxx	20
9	Secondary procedure 1	A	4	62 - 65	xxxx	20
10	Secondary procedure 2	A	4	66 - 69	xxxx	20
11	DRG	N	3	70 - 72	1 - 495	21
12	MDC	N	3	73 - 75	1-25, 0	32
13	Total charge	N	10	76 - 85	12345678.00	33
14	Facility charge	N	10	86 - 95	12345678.00	33
15	Professional charge	N	10	96 - 105	12345678.00	33
16	Primary payer category	A	2	134 - 135	1 - 10,13,99	36
17	Record ID number	N	8	154 - 161		55
A=Alphanumeric characters      N=All numeric characters						

## DESCRIPTION OF DATA ELEMENTS

-----  
**Provider Identifier:**(see Appendix C for hospital characteristics)

Hospital from which patient was discharged.

101 = BEAVER VALLEY HOSPITAL  
102 = MILFORD VALLEY MEMORIAL HOSPITAL  
103 = BRIGHAM CITY COMMUNITY HOSPITAL  
104 = BEAR RIVER VALLEY HOSPITAL  
105 = LOGAN REGIONAL HOSPITAL  
106 = CASTLEVIEW HOSPITAL  
107 = LAKEVIEW HOSPITAL  
108 = DAVIS HOSPITAL & MEDICAL CENTER  
109 = UINTAH BASIN MEDICAL CENTER  
110 = GARFIELD MEMORIAL HOSPITAL  
111 = ALLEN MEMORIAL HOSPITAL  
112 = VALLEY VIEW MEDICAL CENTER  
113 = CENTRAL VALLEY MEDICAL CENTER  
114 = KANE COUNTY HOSPITAL  
115 = FILLMORE COMMUNITY MEDICAL CENTER  
116 = DELTA COMMUNITY MEDICAL CENTER  
117 = JORDAN VALLEY HOSPITAL  
118 = ALTA VIEW HOSPITAL  
119 = COTTONWOOD HOSPITAL MEDICAL CENTER  
120 = SALT LAKE REGIONAL MEDICAL CENTER  
121 = LDS HOSPITAL  
122 = PRIMARY CHILDREN'S MEDICAL CENTER  
124 = ST. MARK'S HOSPITAL  
125 = UNIVERSITY OF UTAH HOSPITALS & CLINICS  
126 = PIONEER VALLEY HOSPITAL  
127 = MONUMENT VALLEY ADVENTIST HOSPITAL(Closed--data through 4th  
Qtr 1995)  
128 = SAN JUAN HOSPITAL  
129 = GUNNISON VALLEY HOSPITAL  
130 = SANPETE VALLEY HOSPITAL  
132 = SEVIER VALLEY HOSPITAL  
133 = TOOELE VALLEY REGIONAL MEDICAL CENTER  
134 = ASHLEY VALLEY MEDICAL CENTER  
135 = OREM COMMUNITY HOSPITAL  
136 = AMERICAN FORK HOSPITAL  
137 = MOUNTAIN VIEW HOSPITAL  
138 = UTAH VALLEY REGIONAL MEDICAL CENTER  
139 = WASATCH COUNTY HOSPITAL  
140 = DIXIE REGIONAL MEDICAL CENTER  
141 = MCKAY DEE HOSPITAL CENTER  
142 = OGDEN REGIONAL MEDICAL CENTER  
143 = PHC REGIONAL HOSPITAL(Closed--Data through 2nd Qtr 1997)  
144 = TIMPANOGOS REGIONAL HOSPITAL  
201 = BENCHMARK BEHAVIORAL HEALTH SYSTEMS NORTH  
202 = CHARTER SUMMIT HOSPITAL (Closed--data through 3rd Qtr 1993)  
203 = OLYMPUS VIEW HOSPITAL

204 = COPPER HILLS YOUTH CENTER  
 205 = WASATCH CANYONS HOSPITAL (Closed--data through 3rd Qtr. 1995)  
 206 = UNIVERSITY OF UTAH NEUROPSYCHIATRIC INSTITUTE  
 207 = BENCHMARK SOUTH REGIONAL HOSPITAL(Closed--data through 4th Qtr 1998)  
 209 = UTAH STATE HOSPITAL (Now exempt from reporting--data through 4th Qtr 1995)  
 301 = SOUTH DAVIS COMMUNITY HOSPITAL  
 302 = HIGHLAND RIDGE HOSPITAL  
 304 = BONNEVILLE HEALTH & REHABILITATION CENTER  
 305 = SHRINERS HOSPITAL (No data--exempt from reporting)  
 306 = HEALTHSOUTH REHABILITATION HOSPITAL OF UTAH  
 307 = THE ORTHOPEDIC SPECIALTY HOSPITAL  
 801 = VETERANS ADMINISTRATION MEDICAL CENTER  
 803 = USAF HOSPITAL HILL/SGA (No data--exempt from reporting)

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**Patient's Age (as of last birthday) at the Date of Discharge**

0 = 1-28 days  
 1 = 29-365 days  
 2 = 1 - 4  
 3 = 5 - 9  
 4 = 10-14  
 5 = 15-17  
 6 = 18 - 19  
 7 = 20 - 24  
 8 = 25 - 29  
 9 = 30 - 34  
 10 = 35 - 39  
 11 = 40 - 44  
 12 = 45 - 49  
 13 = 50 - 54  
 14 = 55 - 59  
 15 = 60 - 64  
 16 = 65 - 69  
 17 = 70 - 74  
 18 = 75 - 79  
 19 = 80 - 84  
 20 = 85 - 89  
 21 = 90 +  
 66 = Encrypted (confidential data)  
 99 = Unknown

Blank = Not reported

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**Patient's Gender**

M = Male  
 F = Female  
 U = Unknown  
 E = Encrypted (confidential data)  
 Blank = Not reported



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## **Type of Admission**

- 1 = Emergency
- 2 = Urgent
- 3 = Elective
- 4 = Newborn
- 9 = Unknown
- Blank = Not reported

---

## **Source of Admission for Non-Newborns**

- 0 = Newborns
- 1 = Physician Referral  
The patient was admitted to this facility upon the recommendation of his or her personal physician.  
(See code 3 if the physician has an HMO affiliation.)
- 2 = Clinic Referral  
The patient was admitted to this facility upon recommendation of this facility's clinic physician.
- 3 = HMO referral  
The patient was admitted to this facility upon the recommendation of a health maintenance organization (HMO) physician.
- 4 = Transfer from a hospital  
The patient was admitted to this facility as a transfer from an acute care facility where he or she was an inpatient.
- 5 = Transfer from a skilled nursing facility  
The patient was admitted to this facility as a transfer from a skilled nursing facility where he or she was an inpatient.
- 6 = Transfer from another health care facility  
The patient was admitted to this facility as a transfer from a health care facility other than an acute care facility or skilled nursing facility.
- 7 = Emergency room  
The patient was admitted to this facility upon the recommendation of this facility's emergency room physician.
- 8 = Court/Law enforcement  
The patient was admitted to this facility upon the direction of a court of law, or upon the request of a law enforcement agency representative.
- 9 = Information not available  
The means by which the patient was admitted to this hospital is not known.
- Blank = Not reported

FOR UTAH STATE HOSPITAL ONLY:  
3 = Family Services Referral

---

**Source of Admission for Newborns**

0 = Non newborns  
1 = Normal delivery  
    A baby delivered without complications.  
  
2 = Premature delivery  
    A baby delivered with time or weight factors  
    qualifying it for premature status.  
3 = Sick baby  
    A baby delivered with medical complications, other  
    than those relating to premature status.  
4 = Extramural birth  
    A baby born in a non-sterile environment.  
9 = Information not available.  
Blank = Not reported

---

**Length of Stay**

Total days stayed in hospital from the date of admission  
to the date of discharge.

Blank = Not reported

---

**Patient's Status**

01 = Discharge to home or self care, routine discharge  
02 = Discharge/transferred to another short-term general  
    hospital  
03 = Discharge/transferred to skilled nursing facility  
04 = Discharge/transferred to an intermediate care  
    facility  
05 = Discharged/transferred to another type of  
    institution  
06 = Discharge/transferred to home under care of  
    organized home health service organization  
07 = Left against medical advice  
08 = Discharged/transferred to home under care of a home  
    IV provider  
20 = Expired  
40 = Expired at home  
41 = Expired in a medial facility; i.e. hospital, skilled  
    nursing facility, intermediate care facility, or  
    free standing hospice  
42 = Expired - place unknown  
09 = Unknown  
Blank = Not reported

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## Patient's Residential Zip Code

84000-84799 = Zip codes in Utah

-4444=Homeless (word homeless or homeless code of ZZZZZ given as address)

-5555=Unknown Utah(Unknown/invalid zip code with Utah address)  
(Note: If the city is present in the address but the zip code is not, the zip code variable is coded as -5555 while the county variable is coded with the actual county identifier)

-6666=Encrypted (confidential data)

-8888=Unknown (completely missing address information)

-9999=Outside U.S.A. (foreign address)

If less than 30 discharges occurred for a Utah zip code area, this zip code was mapped into the county code:

Beave	=	Beaver
BoxEl	=	Box Elder
Cache	=	Cache
Carbo	=	Carbon
Dagge	=	Daggett
Davis	=	Davis
Duche	=	Duchesne
Emery	=	Emery
Garfi	=	Garfield
Iron	=	Iron
Milla	=	Millard
Morga	=	Morgan
Piute	=	Piute
Rich	=	Rich
SaltL	=	Salt Lake
SanJu	=	San Juan
Sanpe	=	Sanpete
Sevie	=	Sevier
Summi	=	Summit
Tooel	=	Tooele
Uinta	=	Uintah
Washi	=	Washington
Wayne	=	Wayne
Weber	=	Weber

If less than 30 discharges occurred for a non Utah zip code area, this zip code was mapped into the state code:

AL = ALABAMA  
AK = ALASKA  
AZ = ARIZONA  
AR = ARKANSAS  
CA = CALIFORNIA  
CO = COLORADO  
CT = CONNECTICUT  
DE = DELAWARE  
DC = DISTRICT OF COLUMBIA  
FL = FLORIDA  
GA = GEORGIA  
HI = HAWAII  
ID = IDAHO  
IL = ILLINOIS  
IN = INDIANA  
IA = IOWA  
KS = KANSAS  
KY = KENTUCKY  
LA = LOUISIANA  
ME = MAINE  
MD = MARYLAND  
MA = MASSACHUSETTS  
MI = MICHIGAN  
MN = MINNESOTA  
MS = MISSISSIPPI  
MO = MISSOURI  
MT = MONTANA  
NE = NEBRASKA  
NV = NEVADA  
NH = NEW HAMPSHIRE  
NJ = NEW JERSEY  
NM = NEW MEXICO  
NY = NEW YORK  
NC = NORTH CAROLINA  
ND = NORTH DAKOTA  
OH = OHIO  
OK = OKLAHOMA  
OR = OREGON  
PA = PENNSYLVANIA  
RI = RHODE ISLAND  
SC = SOUTH CAROLINA  
SD = SOUTH DAKOTA  
TN = TENNESSEE  
TX = TEXAS  
UT = UTAH  
VT = VERMONT  
VA = VIRGINIA  
WA = WASHINGTON  
WV = WEST VIRGINIA  
WI = WISCONSIN  
WY = WYOMING  
PR = PUERTO RICO

GU = GUAM

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**Patient's Residential County**

1= Box Elder  
2= Cache  
3= Rich  
4= Morgan  
5= Weber  
6= Davis  
7= Salt Lake  
8= Summit  
9= Tooele  
10= Utah  
11= Wasatch  
12= Daggett  
13= Duchesne  
14= Uintah  
15= Juab  
16= Millard  
18= Sanpete  
17= Piute  
19= Sevier  
20= Wayne  
21= Carbon  
22= Emery  
23= Grand  
24= San Juan  
25= Beaver  
26= Garfield  
27= Iron  
28= Kane  
29= Washington  
30= Multi-County (used in earlier versions of  
dataset--the category has been eliminated)  
44= Homeless (word "homeless" or homeless code of ZZZZZ  
given as address)  
55= Unknown Utah (unknown city & zip but "Utah" in  
address)  
66= Encrypted (confidential data)  
77= Outside Utah (but in U.S.A.)  
88= Unknown (completely missing address information)  
99= Outside U.S.A. (foreign address)

**Suggested Division of Local Areas:**

Definition	County Code (see above)
1. Urban vs. Rural	
Urban Areas	5,6,7,10
Rural Areas	1-4, 8-9, 11-29
Excluding	30,44,55,66,77,88,99
2. Wasatch Front Area	
Yes	5,6,7,10
No	1-4, 8-9, 11-29
Excluding	30,44,55,66,77,88,99
3. Local Health Districts	
Bear River	1-3
Weber-Morgan	4-5
Davis County	6
Salt Lake County	7
Summit County	8
Tooele County	9
Utah County	10
Wasatch County	11
Uintah Basin	12-14
Central Utah	15-20
Southeastern Utah	21-24
Southwest Utah	25-29

-----  
- **Patient's Cross-County Migrant Status** (hospital in different county  
than patient residence)

Y = Yes (includes out-of-state, foreign, out-of-county, homeless)  
N = No (from same county)  
U = Unknown (includes unknown and unknown but Utah residence)

-----  
**Patient's Marital Status**

S = Single  
M = Married  
X = Legally Separated  
D = Divorced  
W = Widowed  
U = Unknown  
Blank = Not reported

-----  
**Patient's Race and Ethnicity**

W=White, non Hispanic origin  
WH=White, Hispanic origin  
NW=Non-white, Hispanic origin  
NH=Non-white, non Hispanic origin  
UK=Unknown  
Blank = Not reported

-----  
**Principal Diagnosis Code**

ICD-9-CM code. Refer to International Classification of Diseases (9th  
Revision): Clinical Modification for description.  
Blank = Not reported

-----  
**Secondary Diagnosis Code 1**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 2**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 3**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 4**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 5**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 6**

Definition and category are the same as Principal Diagnosis Code

-----  
**Secondary Diagnosis Code 7**

Definition and category are the same as Principal Diagnosis Code

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**Secondary Diagnosis Code 8**

Definition and category are the same as Principal Diagnosis Code

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#### Principal Procedure Code

ICD-9-CM code. Refer to International Classification of Diseases (9th Revision): Clinical Modification for description.

Blank = Not reported

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#### Secondary Procedure Code 1

Definition and category are the same as Principal Procedure Code

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#### Secondary Procedure Code 2

Definition and category are the same as Principal Procedure Code

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#### Secondary Procedure Code 3

Definition and category are the same as Principal Procedure Code

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#### Secondary Procedure Code 4

Definition and category are the same as Principal Procedure Code

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#### Secondary Procedure Code 5

Definition and category are the same as Principal Procedure Code

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### Diagnosis Related Group (DRG) Definitions Manual, Seventh Revision

- 1 CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA
- 2 CRANIOTOMY FOR TRAUMA AGE >17
- 3 CRANIOTOMY AGE 0-17
- 4 SPINAL PROCEDURES
- 5 EXTRACRANIAL VASCULAR PROCEDURES
- 6 CARPAL TUNNEL RELEASE
- 7 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES WITH
- 8 COMPLICATIONS, COMORBIDITIES
- 9 PERIPHERAL & CRANIAL NERVE & OTHER NERVE SYSTEM PROCEDURES
- 10 WITHOUT COMPLICATIONS, COMORBIDITIES
- 11 SPINAL DISORDERS & INJURIES
- 12 NERVOUS SYSTEM NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES
- 13 NERVOUS SYSTEM NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES
- 14 DEGENERATIVE NERVOUS SYSTEM DISORDERS
- 15 MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA
- 16 SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TRANSIENT ISCHEMIC ATTACK
- 17 TRANSIENT ISCHEMIC ATTACK & PRECEREBRAL OCCLUSIONS
- 18 NONSPECIFIC CEREBROVASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES
- 19 NONSPECIFIC CEREBROVASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
- 20 CRANIAL & PERIPHERAL NERVE DISORDERS WITH COMPLICATIONS, COMORBIDITIES
- 21 CRANIAL & PERIPHERAL NERVE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES
- 22 NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS
- 23 VIRAL MENINGITIS
- 24 HYPERTENSIVE ENCEPHALOPATHY
- 25 NON TRAUMATIC STUPOR & COMA
- 26 SEIZURE & HEADACHE AGE >17 WITH COMPLICATIONS, COMORBIDITIES



## Diagnosis Related Group (DRG)

25	SEIZURE & HEADACHE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
26	SEIZURE & HEADACHE AGE 0-17
27	TRAUMATIC STUPOR & COMA, COMA >1 HR
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITH COMPLICATIONS, COMORBIDITIES
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
30	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE 0-17
31	CONCUSSION AGE >17 WITH COMPLICATIONS, COMORBIDITIES
32	CONCUSSION AG >17 WITHOUT COMPLICATIONS, COMORBIDITIES
33	CONCUSSION AGE 0-17
34	OTHER DISORDERS OF NERVOUS SYSTEM WITH COMPLICATIONS, COMORBIDITIES
35	OTHER DISORDERS OF NERVOUS SYSTEM WITHOUT COMPLICATION, COMORBIDITIES
36	RETINAL PROCEDURES
37	ORBITAL PROCEDURES
38	PRIMARY IRIS PROCEDURES
39	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY
40	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17
41	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17
42	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS
43	HYPHEMA
44	ACUTE MAJOR EYE INFECTIONS
45	NEUROLOGICAL EYE DISORDERS
46	OTHER DISORDERS OF THE EYE AGE >17 WITH COMPLICATIONS, COMORBIDITIES
47	OTHER DISORDERS OF THE EYE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
48	OTHER DISORDERS OF THE EYE AGE 0-17
49	MAJOR HEAD & NECK PROCEDURES
50	SIALOADENECTOMY
51	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY
52	CLEFT LIP & PALATE REPAIR
53	SINUS & MASTOID PROCEDURES AGE >17
54	SINUS & MASTOID PROCEDURES AGE 0-17
55	MISCELLANEOUS EAR, NOSE, MOUTH & THROAT PROCEDURES
56	RHINOPLASTY
57	TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17
58	TONSIL & ADENOID PROCEDURES, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17
59	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17
60	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17
61	MYRINGOTOMY WITH TUBE INSERTION AGE >17
62	MYRINGOTOMY WITH TUBE INSERTION AGE 0-17
63	OTHER EAR, NOSE, MOUTH & THROAT OPERATING ROOM PROCEDURES
64	EAR, NOSE, MOUTH & THROAT MALIGNANCY
65	DISEQUILIBRIUM
66	EPISTAXIS
67	EPIGLOTTITIS
68	OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE >16 WITH COMPLICATIONS, COMORBIDITIES
69	OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE > 17 WITHOUT COMPLICATIONS, COMORBIDITIES
70	OTITIS MEDIA & UPPER RESPIRATORY INFECTION AGE 0-17
71	LARYNGOTRACHEITIS
72	NASAL TRAUMA & DEFORMITY
73	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17
74	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17
75	MAJOR CHEST PROCEDURES
76	OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
77	OTHER RESPIRATORY SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

**Diagnosis Related Group (DRG)**

78	PULMONARY EMBOLISM
79	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITH COMPLICATIONS, COMORBIDITIES
80	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
81	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17
82	RESPIRATORY NEOPLASMS
83	MAJOR CHEST TRAUMA WITH COMPLICATIONS, COMORBIDITIES
84	MAJOR CHEST TRAUMA WITHOUT COMPLICATIONS, COMORBIDITIES
85	PLEURAL EFFUSION WITH COMPLICATIONS, COMORBIDITIES
86	PLEURAL EFFUSION WITHOUT COMPLICATIONS, COMORBIDITIES
87	PULMONARY EDEMA & RESPIRATORY FAILURE
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE
89	SIMPLE PNEUMONIA & PLEURISY AGE >17 WITH COMPLICATIONS, COMORBIDITIES
90	SIMPLE PNEUMONIA & PLEURISY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
91	SIMPLE PNEUMONIA & PLEURISY AGE 0-17
92	INTERSTITIAL LUNG DISEASE WITH COMPLICATIONS, COMORBIDITIES
93	INTERSTITIAL LONG DISEASE WITHOUT COMPLICATIONS, COMORBIDITIES
94	PNEUMOTHORAX WITH COMPLICATIONS, COMORBIDITIES
95	PNEUMOTHORAX WITHOUT COMPLICATIONS, COMORBIDITIES
96	BRONCHITIS & ASTHMA AGE >17 WITH COMPLICATIONS, COMORBIDITIES
97	BRONCHITIS & ASTHMA AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES
98	BRONCHITIS & ASTHMA AGE 0-17
99	RESPIRATORY SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES
100	RESPIRATORY SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES
101	OTHER RESPIRATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES
102	OTHER RESPIRATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES
103	HEART TRANSPLANT
104	CARDIAC VALVE PROCEDURES WITH CARDIAC CATHETER
105	CARDIAC VALVE PROCEDURES WITHOUT CARDIAC CATHETER
106	CORONARY BYPASS WITH CARDIAC CATHETER
107	CORONARY BYPASS WITHOUT CARDIAC CATHETER
108	OTHER CARDIOTHORACIC PROCEDURES
110	MAJOR CARDIOVASCULAR PROCEDURES WITH COMPLICATIONS, COMORBIDITIES
111	MAJOR CARDIOVASCULAR PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES
113	AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS EXCEPT UNDER UPPER LIMB & TOE
114	UPPER LIMB & TOE AMPUTATION FOR CIRCULATORY SYSTEM DISORDERS
115	PERMANENT CARDIAC PACEMAKER IMPLANT WITH ACUTE MYOCARDIAL INFARCTION, HEART FAILURE OR SHOCK
116	PERMANENT CARDIAC PACEMAKER IMPLANT WITHOUT ACUTE MYOCARDIAL INFARCTION, HEART FAILURE OR SHOCK
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT
118	CARDIAC PACEMAKER DEVICE REPLACEMENT
119	VEIN LIGATION & STRIPPING
120	OTHER CIRCULATORY SYSTEM OPERATING ROOM PROCEDURES
121	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION & CARDIOVASCULAR COMPLICATIONS DISCHARGED ALIVE
122	CIRCULATORY DISORDERS WITHOUT ACUTE MYOCARDIAL INFARCTION CARDIOVASCULAR COMPLICATIONS DISCHARGED ALIVE
123	CIRCULATORY DISORDERS WITH ACUTE MYOCARDIAL INFARCTION, EXPIRED
124	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC CATHETER & COMPLEX DIAGNOSES
125	CIRCULATORY DISORDERS EXCEPT ACUTE MYOCARDIAL INFARCTION, WITH CARDIAC CATHETER WITHOUT COMPLEX DIAGNOSES
126	ACUTE & SUBACUTE ENDOCARDITIS
127	HEART FAILURE & SHOCK
128	DEEP VEIN THROMBOPHLEBITIS

**Diagnosis Related Group (DRG)**

129 CARDIAC ARREST, UNEXPLAINED  
130 PERIPHERAL, VASCULAR DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
131 PERIPHERAL VASCULAR DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
132 ATHEROSCLEROSIS WITH COMPLICATIONS, COMORBIDITIES  
133 ATHEROSCLEROSIS WITHOUT COMPLICATIONS, COMORBIDITIES  
134 HYPERTENSION  
135 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
136 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
137 CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17  
138 CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
  
139 CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES  
140 ANGINA PECTORIS  
141 SYNCOPE & COLLAPSE WITH COMPLICATIONS, COMORBIDITIES  
142 SYNCOPE & COLLAPSE WITHOUT COMPLICATIONS, COMORBIDITIES  
143 CHEST PAIN  
144 OTHER CIRCULATORY SYSTEM DIAGNOSES WITH COMPLICATIONS, COMORBIDITIES  
145 OTHER CIRCULATORY SYSTEM DIAGNOSES WITHOUT COMPLICATIONS, COMORBIDITIES  
146 RECTAL RESECTION WITH COMPLICATIONS, COMORBIDITIES  
147 RECTAL RESECTION WITHOUT COMPLICATIONS, COMORBIDITIES  
148 MAJOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
149 MAJOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
150 PERITONEAL ADHESIOLYSIS WITH COMPLICATIONS, COMORBIDITIES  
151 PERITONEAL ADHESIOLYSIS WITHOUT COMPLICATIONS, COMORBIDITIES  
152 MINOR SMALL & LARGE BOWEL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
153 MINOR SMALL & LARGE BOWEL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
154 STOMACH, ESOPHAGEAL, & DUODENAL PROCEDURES AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
155 STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
156 STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17  
157 ANAL & STOMAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
158 ANAL & STOMAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
159 HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
160 HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
161 INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
162 INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
163 HERNIA PROCEDURES AGE 0-17  
164 APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS, COMORBIDITIES  
165 APPENDECTOMY WITH COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS, COMORBIDITIES  
166 APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITH COMPLICATIONS, COMORBIDITIES  
167 APPENDECTOMY WITHOUT COMPLICATED PRINCIPAL DIAGNOSIS WITHOUT COMPLICATIONS, COMORBIDITIES  
170 OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
171 OTHER DIGESTIVE SYSTEM OPERATING ROOM PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
172 DIGESTIVE MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES  
173 DIGESTIVE MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

**Diagnosis Related Group (DRG)**

174 GASTROINTESTINAL HEMORRHAGE WITH COMPLICATIONS, COMORBIDITIES  
175 GASTROINTESTINAL HEMORRHAGE WITHOUT COMPLICATIONS, COMORBIDITIES  
176 COMPLICATED PEPTIC ULCER  
177 UNCOMPLICATED PEPTIC ULCER WITH COMPLICATIONS, COMORBIDITIES  
178 UNCOMPLICATED PEPTIC ULCER WITHOUT COMPLICATIONS, COMORBIDITIES  
179 INFLAMMATORY BOWEL DISEASE  
180 GASTROINTESTINAL OBSTRUCTION WITH COMPLICATIONS, COMORBIDITIES  
181 GASTROINTESTINAL OBSTRUCTION WITHOUT COMPLICATIONS, COMORBIDITIES  
  
182 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17  
WITH COMPLICATIONS, COMORBIDITIES  
183 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE DISORDERS AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES  
184 ESOPHAGITIS, GASTROENTERITIS, & MISCELLANEOUS DIGESTIVE  
DISORDERS AGE 0-17  
188 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
189 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
190 OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17  
191 PANCREAS, LIVER & SHUNT PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
192 PANCREAS, LIVER 7 SHUNT PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
193 BILIARY TRACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON  
DUCT EXPLORATION WITH COMPLICATIONS, COMORBIDITIES  
194 BILIARY TRACT PROCEDURES EXCEPT ONLY TOTAL CHOLECYST WITH OR WITHOUT COMMON  
DUCT EXPLORATION WITHOUT COMPLICATIONS, COMORBIDITIES  
195 TOTAL CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITH COMPLICATIONS,  
COMORBIDITIES  
196 TOTAL CHOLECYSTECTOMY WITH COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS,  
COMORBIDITIES  
197 CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITH COMPLICATIONS,  
COMORBIDITIES  
198 CHOLECYSTECTOMY WITHOUT COMMON DUCT EXPLORATION WITHOUT COMPLICATIONS,  
COMORBIDITIES  
199 HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY  
200 HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY  
201 OTHER HEPATOBILIARY OR PANCREAS OPERATING ROOM PROCEDURES  
202 CIRRHOSIS & ALCOHOLIC HEPATITIS  
203 MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS  
204 DISORDERS OF PANCREAS EXCEPT MALIGNANCY  
205 DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS WITH  
COMPLICATIONS, COMORBIDITIES  
206 DISORDERS OF LIVER EXCEPT MALIGNANCY, CIRRHOSIS, ALCOHOLIC HEPATITIS  
WITHOUT COMPLICATIONS, COMORBIDITIES  
207 DISORDERS OF THE BILIARY TRACT WITH COMPLICATIONS, COMORBIDITIES  
208 DISORDERS OF THE BILIARY TRACT WITHOUT COMPLICATIONS, COMORBIDITIES  
209 MAJOR JOINT & LIMB REATTACHMENT PROCEDURES  
210 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
211 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
212 HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17  
213 AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DISORDERS  
214 BACK & NECK PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
215 BACK & NECK PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
216 BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE  
217 WOUND DEBRIDEMENT & SKIN GRAFT EXCEPT HAND, FOR MUSCULOSKELETAL &  
CONNECTIVE TISSUE DISORDERS  
218 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE >17  
COMPLICATIONS, COMORBIDITIES

**Diagnosis Related Group (DRG)**

219 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES

220 LOWER EXTREMITY & HUMERUS PROCEDURES EXCEPT HIP, FOOT, FEMUR AGE 0-17

221 KNEE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

222 KNEE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

223 MAJOR SHOULDER/ELBOW PROCEDURE, OR OTHER UPPER EXTREMITY PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES

224 SHOULDER, ELBOW OR FOREARM PROCEDURE, EXCEPT MAJOR JOINT PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES

225 FOOT PROCEDURES

226 SOFT TISSUE PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

227 SOFT TISSUE PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES

228 MAJOR THUMB OR JOINT PROCEDURE, OR OTHER HAND OR WRIST PROCEDURE WITH  
COMPLICATIONS, COMORBIDITIES

229 HAND OR WRIST PROCEDURE, EXCEPT MAJOR JOINT PROCEDURE, WITHOUT  
COMPLICATIONS, COMORBIDITIES

230 LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES OF HIP & FEMUR

231 LOCAL EXCISION & REMOVAL OF INTERNAL FIXATION DEVICES EXCEPT HIP & FEMUR

232 ARTHROSCOPY

233 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITH COMPLICATIONS, COMORBIDITIES

234 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE OPERATING ROOM PROCEDURES  
WITHOUT COMPLICATIONS, COMORBIDITIES

235 FRACTURES OF FEMUR

236 FRACTURES OF HIP & PELVIS

237 SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH

238 OSTEOMYELITIS

239 PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONNECTIVE TISSUE MALIGNANCY

240 CONNECTIVE TISSUE DISORDERS WITH COMPLICATIONS, COMORBIDITIES

241 CONNECTIVE TISSUE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

242 SEPTIC ARTHRITIS

243 MEDICAL BACK PROBLEMS

244 BONE DISEASES & SPECIFIC ARTHROPATHIES WITH COMPLICATIONS, COMORBIDITIES

245 BONE DISEASES & SPECIFIC ARTHROPATHIES WITHOUT COMPLICATIONS, COMORBIDITIES

246 NON-SPECIFIC ARTHROPATHIES

247 SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE

248 TENDINITIS, MYOSITIS & BURSITIS

249 AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE

250 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17 WITH  
COMPLICATIONS, COMORBIDITIES

251 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF FOREARM, HAND, FOOT AGE >17  
WITHOUT COMPLICATIONS, COMORBIDITIES

252 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF FOREARM, HAND, FOOT AGE 0-17

253 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE >17 W COMPLICATIONS, COMORBIDITIES

254 FRACTURE, SPRAIN, STRAIN & DISLOCATION OF UPPER ARM, LOWER LEG, EXCEPT FOOT  
AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES

255 FRACTURE, SPRAIN, STRAIN, & DISLOCATION OF UPPER ARM, LOWER LEG EXCEPT FOOT  
AGE 0-17

256 OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSIS

257 TOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES

258 TOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

259 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITH COMPLICATIONS, COMORBIDITIES

260 SUBTOTAL MASTECTOMY FOR MALIGNANCY WITHOUT COMPLICATIONS, COMORBIDITIES

261 BREAST PROCEDURE FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION

262 BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY

263 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES

**Diagnosis Related Group (DRG)**

264 SKIN GRAFT &/OR DEBRIDEMENT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES

265 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITH  
COMPLICATIONS, COMORBIDITIES

266 SKIN GRAFT &/OR DEBRIDEMENT EXCEPT FOR SKIN ULCER OR CELLULITIS WITHOUT  
COMPLICATIONS, COMORBIDITIES

267 PERIANAL & PILONIDAL PROCEDURES

268 SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES

269 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITH COMPLICATIONS,  
COMORBIDITIES

270 OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES WITHOUT COMPLICATIONS,  
COMORBIDITIES

271 SKIN ULCERS

272 MAJOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES

273 MAJOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

274 MALIGNANT BREAST DISORDERS WITH COMPLICATIONS, COMORBIDITIES

275 MALIGNANT BREAST DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

276 NON-MALIGNANT BREAST DISORDERS

277 CELLULITIS AGE >17 WITH COMPLICATIONS, COMORBIDITIES

278 CELLULITIS AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES

279 CELLULITIS AGE 0-17

280 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITH  
COMPLICATIONS, COMORBIDITIES

281 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE >17 WITHOUT  
COMPLICATIONS, COMORBIDITIES

282 TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST AGE 0-17

283 MINOR SKIN DISORDERS WITH COMPLICATIONS, COMORBIDITIES

284 MINOR SKIN DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

285 AMPUTATION OF LOWER LIMB FOR ENDOCRINE, NUTRITION & METABOLIC DISORDERS

286 ADRENAL & PITUITARY PROCEDURES

287 SKIN GRAFTS & WOUND DEBRIDEMENT FOR ENDOCRINE, NUTRITION & METABOLIC  
DISORDERS

288 OPERATING ROOM PROCEDURES FOR OBESITY

289 PARATHYROID PROCEDURES

290 THYROID PROCEDURES

291 THYROIDECTOMY PROCEDURES

292 OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES

293 OTHER ENDOCRINE, NUTRITION & METABOLIC OPERATING ROOM PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES

294 DIABETES AGE >35

295 DIABETES AGE 0-35

296 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES

297 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE >17 WITHOUT  
COMPLICATIONS, COMORBIDITIES

298 NUTRITIONAL & MISCELLANEOUS METABOLIC DISORDERS AGE 0-17

299 INBORN ERRORS OF METABOLISM

300 ENDOCRINE DISORDERS WITH COMPLICATIONS, COMORBIDITIES

301 ENDOCRINE DISORDERS WITHOUT COMPLICATIONS, COMORBIDITIES

302 KIDNEY TRANSPLANT

303 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM

304 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM WITH  
COMPLICATIONS, COMORBIDITIES

305 KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NON-NEOPLASM  
WITHOUT COMPLICATIONS, COMORBIDITIES

306 PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES

307 PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES

308 MINOR BLADDER PROCEDURES WITH COMPLICATIONS, COMORBIDITIES

**Diagnosis Related Group (DRG)**

309 MINOR BLADDER PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
310 TRANSURETHRAL PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
311 TRANSURETHRAL PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
312 URETHRAL PROCEDURES, AGE > 17 WITH COMPLICATIONS, COMORBIDITIES  
313 URETHRAL PROCEDURES, AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
314 URETHRAL PROCEDURES, AGE 0-17  
315 OTHER KIDNEY & URINARY TRACT OPERATING ROOM PROCEDURES  
316 RENAL FAILURE  
317 ADMIT FOR RENAL DIALYSIS  
318 KIDNEY & URINARY TRACT NEOPLASMS WITH COMPLICATIONS, COMORBIDITIES  
319 KIDNEY & URINARY TRACT NEOPLASMS WITHOUT COMPLICATIONS, COMORBIDITIES  
320 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
321 KIDNEY & URINARY TRACT INFECTIONS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
322 KIDNEY & URINARY TRACT INFECTIONS AGE 0-17  
323 URINARY STONES WITH COMPLICATIONS, COMORBIDITIES, &/OR EXTRACORPOREAL SHOCK  
WAVE LITHOTRIPSY  
324 URINARY STONES WITHOUT COMPLICATIONS, COMORBIDITIES  
325 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
326 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
327 KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17  
328 URETHRAL STRICTURE AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
329 URETHRAL STRICTURE AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
330 URETHRAL STRICTURE AGE 0-17  
331 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
332 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
333 OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17  
334 MAJOR MALE PELVIC PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
335 MAJOR MALE PELVIC PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES  
336 TRANSURETHRAL PROSTATECTOMY WITH COMPLICATIONS, COMORBIDITIES  
337 TRANSURETHRAL PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES  
338 TRANSURETHRAL PROSTATECTOMY WITHOUT COMPLICATIONS, COMORBIDITIES  
339 TESTES PROCEDURES, NON-MALIGNANCY AGE >17  
340 TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17  
341 PENIS PROCEDURES  
342 CIRCUMCISION AGE >17  
343 CIRCUMCISION AGE 0-17  
344 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES FOR MALIGNANCY  
345 OTHER MALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES EXCEPT FOR  
MALIGNANCY  
346 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITH COMPLICATIONS, COMORBIDITIES  
347 MALIGNANCY, MALE REPRODUCTIVE SYSTEM, WITHOUT COMPLICATIONS, COMORBIDITIES  
348 BENIGN PROSTATIC HYPERTROPHY WITH COMPLICATIONS, COMORBIDITIES  
349 BENIGN PROSTATIC HYPERTROPHY WITHOUT COMPLICATIONS, COMORBIDITIES  
350 INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM  
351 STERILIZATION, MALE  
352 OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES  
353 PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULVECTOMY  
354 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITH COMPLICATIONS, COMORBIDITIES  
355 UTERINE, ADNEXA PROCEDURES FOR NON-OVARIAN/ADNEXAL MALIGNANCY  
WITHOUT COMPLICATIONS, COMORBIDITIES  
356 FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES  
357 UTERINE & ADNEXA PROCEDURES FOR OVARIAN OR ADNEXAL MALIGNANCY

**Diagnosis Related Group (DRG)**

358 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITH COMPLICATIONS,  
COMORBIDITIES  
359 UTERINE & ADNEXA PROCEDURE FOR NON-MALIGNANCY WITH COMPLICATIONS,  
COMORBIDITIES  
360 VAGINA, CERVIX & VULVA PROCEDURES  
361 LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION  
362 ENDOSCOPIC TUBAL INTERRUPTION  
363 DILATION & CURETTAGE, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY  
364 DILATION & CURETTAGE, CONIZATION EXCEPT FOR MALIGNANCY  
365 OTHER FEMALE REPRODUCTIVE SYSTEM OPERATING ROOM PROCEDURES  
366 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITH COMPLICATIONS, COMORBIDITIES  
367 MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM WITHOUT COMPLICATIONS, COMORBIDITIES  
368 INFECTIONS, FEMALE REPRODUCTIVE SYSTEM  
369 MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS  
370 CESAREAN SECTION WITH COMPLICATIONS, COMORBIDITIES  
371 CESAREAN SECTION WITHOUT COMPLICATIONS, COMORBIDITIES  
372 VAGINAL DELIVERY WITH COMPLICATING DIAGNOSES  
373 VAGINAL DELIVERY WITHOUT COMPLICATING DIAGNOSES  
374 VAGINAL DELIVERY WITH STERILIZATION &/OR DILATION & CURETTAGE  
375 VAGINAL DELIVERY WITH OPERATING ROOM PROCEDURE EXCEPT STERILIZATION &/OR  
DILATION & CURETTAGE  
376 POSTPARTUM & POST ABORTION DIAGNOSES WITHOUT OPERATING ROOM PROCEDURE  
377 POSTPARTUM & POST ABORTION DIAGNOSES WITH OPERATING ROOM PROCEDURE  
378 ECTOPIC PREGNANCY  
379 THREATENED ABORTION  
380 ABORTION WITHOUT DILATION & CURETTAGE  
381 ABORTION WITH DILATION & CURETTAGE, ASPIRATION CURETTAGE OR HYSTEROTOMY  
382 FALSE LABOR  
383 OTHER ANTEPARTUM DIAGNOSES WITH MEDICAL COMPLICATIONS  
384 OTHER ANTEPARTUM DIAGNOSES WITHOUT MEDICAL COMPLICATIONS  
385 NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY  
386 EXTREME IMMATUREITY OR RESPIRATORY DISTRESS SYNDROME, NEONATE  
387 PREMATUREITY WITH MAJOR PROBLEMS  
388 PREMATUREITY WITHOUT MAJOR PROBLEMS  
389 FULL TERM NEONATE WITH MAJOR PROBLEMS  
390 NEONATE WITH OTHER SIGNIFICANT PROBLEMS  
391 NORMAL NEWBORN  
392 SPLENECTOMY AGE >17  
393 SPLENECTOMY AGE 0-17  
394 OTHER OPERATING ROOM PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS  
395 RED BLOOD CELL DISORDERS AGE >17  
396 RED BLOOD CELL DISORDERS AGE 0-17  
397 COAGULATION DISORDERS  
398 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITH COMPLICATIONS, COMORBIDITIES  
399 RETICULOENDOTHELIAL & IMMUNITY DISORDERS WITHOUT COMPLICATIONS,  
COMORBIDITIES  
400 LYMPHOMA & LEUKEMIA WITH MAJOR OPERATING ROOM PROCEDURE  
401 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITH  
COMPLICATIONS, COMORBIDITIES  
402 LYMPHOMA & NON-ACUTE LEUKEMIA WITH OTHER OPERATING ROOM PROCEDURES WITHOUT  
COMPLICATIONS, COMORBIDITIES  
403 LYMPHOMA & NON-ACUTE LEUKEMIA WITH COMPLICATIONS, COMORBIDITIES  
404 LYMPHOMA 7 NON-ACUTE LEUKEMIA WITHOUT COMPLICATIONS, COMORBIDITIES  
405 ACUTE LEUKEMIA WITHOUT MAJOR OPERATING ROOM PROCEDURE AGE 0-17  
406 MYELOPROLIF DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR OPERATING ROOM  
PROCEDURES WITH COMPLICATIONS, COMORBIDITIES  
407 MYELOPROLIF DISORDER OR POORLY DIFFUSED NEOPLASMS WITH MAJOR OPERATING ROOM  
PROCEDURES WITHOUT COMPLICATIONS, COMORBIDITIES



**Diagnosis Related Group (DRG)**

408 MYELOPROLIF DISORDER OR POORLY DIFFUSED NEOPLASMS WITH OTHER OPERATING ROOM  
PROCEDURES  
409 RADIOTHERAPY  
410 CHEMOTHERAPY WITHOUT ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS  
411 HISTORY OF MALIGNANCY WITHOUT ENDOSCOPY  
412 HISTORY OF MALIGNANCY WITH ENDOSCOPY  
413 OTHER MYELOPROLIF DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES WITH  
COMPLICATIONS, COMORBIDITIES  
414 OTHER MYELOPROLIF DISEASES OR POORLY DIFFUSED NEOPLASM DIAGNOSES WITHOUT  
COMPLICATIONS, COMORBIDITIES  
415 OPERATING ROOM PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES  
416 SEPTICEMIA AGE >17  
417 SEPTICEMIA AGE 0 -17  
418 POSTOPERATIVE & POST-TRAUMATIC INFECTIONS  
419 FEVER OF UNKNOWN ORIGIN AGE >17 W COMPLICATIONS, COMORBIDITIES  
420 FEVER OF UNKNOWN ORIGIN AGE >17 W/O COMPLICATIONS, COMORBIDITIES  
421 VIRAL ILLNESS AGE >17  
422 VIRAL ILLNESS & FEVER OR UNKNOWN ORIGIN AGE 0-17  
423 OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES  
424 OPERATING ROOM PROCEDURE WITH PRINCIPAL DIAGNOSES OF MENTAL ILLNESS  
425 ACUTE ADJUSTMENT REACTIONS & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION  
426 DEPRESSIVE NEUROSES  
427 NEUROSES EXCEPT DEPRESSIVE  
428 DISORDERS OF PERSONALITY & IMPULSE CONTROL  
429 ORGANIC DISTURBANCES & MENTAL RETARDATION  
430 PSYCHOSES  
431 CHILDHOOD MENTAL DISORDERS  
432 OTHER MENTAL DISORDER DIAGNOSES  
433 ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AGAINST MEDICAL ADVICE  
434 ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITH COMPLICATIONS, COMORBIDITIES  
  
435 ALCOHOL/DRUG ABUSE OR DEPENDENCE, DETOXIFICATION OR OTHER SYMPTOM TREATMENT  
WITHOUT COMPLICATIONS, COMORBIDITIES  
436 ALCOHOL/DRUG DEPENDENCE WITH REHABILITATION THERAPY  
437 ALCOHOL/DRUG DEPENDENCE, COMBINED REHABILITATION & DETOXIFICATION THERAPY  
439 SKIN GRAFTS FOR INJURIES  
440 WOUND DEBRIDEMENTS FOR INJURIES  
441 HAND PROCEDURES FOR INJURIES  
442 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITH COMPLICATIONS,  
COMORBIDITIES  
443 OTHER OPERATING ROOM PROCEDURES FOR INJURIES WITHOUT COMPLICATIONS,  
COMORBIDITIES  
444 TRAUMATIC INJURY AGE >17 WITH COMPLICATIONS, COMORBIDITIES  
445 TRAUMATIC INJURY AGE >17 WITHOUT COMPLICATIONS, COMORBIDITIES  
446 TRAUMATIC INJURY AGE 0-17  
447 ALLERGIC REACTIONS AGE >17  
448 ALLERGIC REACTIONS AGE 0-17  
449 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITH COMPLICATIONS,  
COMORBIDITIES  
450 POISONING & TOXIC EFFECTS OF DRUGS AGE >17 WITHOUT COMPLICATIONS,  
COMORBIDITIES  
451 POISONING & TOXIC EFFECTS OF DRUGS AGE 0-17  
452 COMPLICATIONS OF TREATMENT WITH COMPLICATIONS, COMORBIDITIES  
453 COMPLICATIONS OF TREATMENT WITHOUT COMPLICATIONS, COMORBIDITIES  
454 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITH COMPLICATIONS,  
COMORBIDITIES

**Diagnosis Related Group (DRG)**

455 OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES WITHOUT COMPLICATIONS,  
COMORBIDITIES  
456 BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY  
457 EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE  
458 NON-EXTENSIVE BURNS WITH SKIN GRAFT  
459 NON-EXTENSIVE BURNS WITH WOUND DEBRIDEMENT OR OTHER OPERATING ROOM  
PROCEDURE  
460 NON-EXTENSIVE BURNS WITHOUT OPERATING ROOM PROCEDURE  
461 OPERATING ROOM PROCEDURE WITH DIAGNOSES OF OTHER CONTACT WITH HEALTH  
SERVICES  
462 REHABILITATION  
463 SIGNS & SYMPTOMS WITH COMPLICATIONS, COMORBIDITIES  
464 SIGNS & SYMPTOMS WITHOUT COMPLICATIONS, COMORBIDITIES  
465 AFTERCARE WITH HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS  
466 AFTERCARE WITHOUT HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS  
467 OTHER FACTORS INFLUENCING HEALTH STATUS  
468 EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
470 UNGROUPABLE  
472 EXTENSIVE BURNS WITH OPERATING ROOM PROCEDURE  
475 RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT  
476 PROSTATIC OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
477 NON-EXTENSIVE OPERATING ROOM PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS  
481 BONE MARROW TRANSPLANT  
482 TRACHEOSTOMY WITH MOUTH, LARYNX OR PHARYNX DISORDER  
483 TRACHEOSTOMY EXCEPT FOR MOUTH, LARYNX, OR PHARYNX DISORDER  
484 CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA  
485 LIMB REATTACHMENT, HIP AND FEMUR PROCEDURE FOR MULTIPLE SIGNIFICANT TRAUMA  
486 OTHER OPERATING ROOM PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA  
487 OTHER MULTIPLE SIGNIFICANT TRAUMA  
488 HIV WITH EXTENSIVE OPERATING ROOM PROCEDURE  
489 HIV WITH MAJOR RELATED CONDITION  
490 HIV WITH OR WITHOUT OTHER RELATED CONDITION  
491 MAJOR JOINT & LIMB REATTACHMENT PROCS OF UP EXTERM  
492 CHEMOTHERAPY W/ ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS  
493 LAPAROSCOPIC CHOLECYSTECTOMY W/O CDE W/CC  
494 LAPAROSCOPIC CHOLECYSTECTOMY W/O CDE W/O CC  
495 LUNG TRANSPLANT  
496 COMBINED ANTERIOR/POSTERIOR SPINAL FUSION  
497 SPINAL FUSION W/CC  
498 SPINAL FUSION W/O CC  
499 BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W/CC  
500 BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W/O CC  
501 KNEE PROCEDURES W PDX OF INFECTION W/CC  
502 KNEE PROCEDURES W PDX OF INFECTION W/O CC  
503 KNEE PROCEDURES W PDX OF INFECTION  
504 EXTENSIVE 3<sup>RD</sup> DEGREE BURNS W/SKIN GRAFT  
505 EXTENSIVE 3<sup>RD</sup> DEGREE BURNS W/O SKIN GRAFT  
506 FULL THICKNESS BURN W/ SKIN GRAFT OR INHAL INJ W/CC OR SIGNIFICANT TRAUMA  
507 FULL THICKNESS BURN W/ SKIN GRAFT OR INHAL INJ W/O CC OR SIGNIFICANT TRAUMA  
508 FULL THICKNESS BURN W/O SKIN GRAFT OR INHAL INJ W/CC OR SIGNIFICANT TRAUMA  
509 FULL THICKNESS BURN W/O SKIN GRAFT OR INHAL INJ W/O CC OR SIG TRAUMA  
510 NON-EXTENSIVE BURNS W/CC OR SIGNIFICANT TRAUMA  
511 NON-EXTENSIVE BURNS W/O CC OR SIGNIFICANT TRAUMA

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**Major Diagnosis Category (MDC)\***

- 0 = Ungroupable
- 1 = Nervous System
- 2 = Eye
- 3 = Ear, Nose, Mouth & Throat
- 4 = Respiratory System
- 5 = Circulatory System
- 6 = Digestive System
- 7 = Hepatobiliary System & Pancreas
- 8 = Musculoskeletal System & Connective Tissue
- 9 = Skin, Subcutaneous Tissue & Breast
- 10 = Endocrine, Nutritional & Metabolic System
- 11 = Kidney & Urinary Tract
- 12 = Male Reproductive System
- 13 = Female Reproductive System
- 14 = Pregnancy, Childbirth & the Puerperium
- 15 = Newborn & Other Neonates (Perinatal Period)
- 16 = Blood and Blood-Forming Disorders
- 17 = Myeloproliferative DDs (Diff Neoplasms)
- 18 = Infectious and Parasitic DDs
- 19 = Mental Diseases and Disorders
- 20 = Alcohol/Drug Use or Induced Mental Disorders
- 21 = Injuries, Poisoning and Toxic Effect of Drugs
- 22 = Burns
- 23 = Factors Influencing Health Status
- 24 = Multiple Significant Trauma
- 25 = Human Immunodeficiency Virus Infection

\* This is the traditional Health Care Financing Administration (HCFA) MDC

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**Total Charge\***

Total dollars and cents amount charged for the discharge  
(with 2 decimal digits).

. = Not reported

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**Facility Charge\***

Sum of total dollars and cents amount charged from NUBC  
revenue codes 10x-94x for the discharge (with 2 decimal  
digits).

. = Not reported

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**Professional Charge\***

Sum of total dollars and cents amount charged from NUBC  
revenue codes 95x-98x for the discharge (with 2 decimal  
digits).

. = Not reported

NOTE:      \* Total Charge is reported by hospitals. Facility and  
professional charges are calculated from individual  
revenue charges. Due to various reasons, e.g. adjusting  
total charges without making corresponding adjustment in  
specific revenue charge, the sum of facility and  
professional charges are not necessarily equal to total  
charges.

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**Admitting Physician's Specialty**

A     = Allergy  
ABS = Abdominal surgery  
ACD = Alcohol, chemical dependency  
ADL = Adolescent medicine  
ADM = Administrative medicine  
AI    = Allergy & immunology  
AM    = Aerospace medicine  
AN    = Anesthesiology  
BLB = Blood bank pathology  
CCM = Critical care medicine  
CD    = Cardiovascular diseases  
CDS = Cardiovascular surgery  
CHP = Child psychiatry  
CLP = Clinical pathology

## Admitting Physician's Specialty

CMP = Chemical pathology  
CNA = Cert. Registered nurse anesthetist  
CNM = Certified nurse midwife  
CPS/CSW = Clinical psychologist/clinical social worker  
CPS = Clinical psychologist  
CRS = Colon & rectal surgery  
CSW = Clinical social worker  
D = Dermatology  
DDS = Dentist  
DIA = Diabetes  
DLI = Diagnostic lab immunology  
DMP = Dermatopathology  
DPM = Podiatrist  
DO = Doctor of osteopathy  
DR = Diagnostic radiology  
EM = Emergency  
END = Endocrinology  
ENT = Otorhinolaryngology  
F = Fellow  
FNP = Family nurse practitioner  
FOP = Forensic pathology  
FP = Family practice  
FP /P = Family practice/Psychiatry  
FP/GS = Family practice/General surgery  
FP/DDS = Family practice/Dentist  
FPS = Facial plastic surgery  
G = General  
GE = Gastroenterology  
GER = Geriatrics  
GO = Gynecology/oncology  
GP = General practicee  
GPM = General preventive medicine  
GS = General surgery  
GYN = Gynecology  
HEM = Hematology  
HMO = Hematology/oncology  
HEM/OMC = Hematology/oncology  
HS = Hand surgery  
HNS = Head & neck surgery  
HYP = Hypnosis  
ID = Infectious diseases  
IM = Internal medicine  
IMU = Immunology  
IP = Immunopathology  
LM = Legal medicine  
MFM = Maternal/fetal medicine  
MFS = Maxillofacial surgery  
MM = Medical microbiology

## Admitting Physician's Specialty

N = Neurology  
NBI = Pediatrics  
NEO = Neonatology  
NEP = Nephrology  
NM = Nuclear medicine  
NNP = Neonatal nurse prac.  
NP = Neuropathology  
NPM = Neonatal/perinatal medicine  
NR = Neuroradiology  
NS = Neurological surgery  
NTR = Nutrition  
OBG = Obstetrics & gynecology  
OBS = Obstetrics  
OM = Occupational medicine  
OMS = Oral & maxillofacial surgery  
OMC = Oncology  
ONS = Oncology surgery  
ONC = Oncology  
OPH = Ophthalmology  
ORS = Orthopedic surgery  
OT = Otology  
OTO = Otorhinolaryngology  
P = Psychiatry  
PA = Clinical pharmacology  
PAC = Certified physician asst  
PAN = Pediatric abuse & neglect  
PD = Pediatrics  
PDA = Pediatric allergy  
PDC = Pediatric cardiology  
PDE = Pediatric endocrinology  
PDG = Pediatric gastroenterology  
PDI = Pediatric immunology  
PDN = Pediatric neurology  
PD/NEO = Pediatric neonatology  
PDP = Pediatric pulmonology  
PDR = Pediatric radiology  
PDS = Pediatric surgery  
PDU = Pediatric urology  
PDY = Pediatric respiratory  
PER = Perinatology  
PEM = Pediatric emergency medicine  
PH = Public health  
PHO = Pediatric/Hematology/oncology  
PM = Physical medicine & rehabilitation  
PNP = Pediatric nephrology  
POD = Podiatrist  
PRO = Proctologist  
PS = Plastic surgery

## **Admitting Physician's Specialty - continued**

PSF = Facial plastic surgery  
PUD = Pulmonary disease  
PTH = Pathology  
PV = Peripheral Vascular  
PYA = Psychoanalysis  
R = Radiology  
RD = Respiratory disease  
RDT = Ratioation Therapy  
REN = Reproductive endocrinology  
RES = Resident  
RES/CSW = Resident/clinic social worker  
RET = Retired  
RHU = Rheumatology  
RIP = Radiosotopic pathology  
RSH = Research  
RON = Radiation oncology  
SH = Student health  
SM = Sports medicine  
SGO = Surgery, other (list specialty)  
SGO/N = Surgery, other (neurology)  
SGO/01 = Surgery, other (neurosurgeon)  
TR = Therapeutic radiology  
TS = Thoracic surgery  
U = Urology  
US = Urological surgery  
VS = Vascular surgery  
UNK = Unknown  
MD = Encrypted (confidential data)  
Blank = Not reported

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## **Attending Physician's Specialty**

Descriptions are the same as admitting physician's specialty.

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## **Other Consulting Physician's Specialty**

Descriptions are the same as admitting physician's specialty.

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## **Surgeon's Specialty**

Descriptions are the same as admitting physician's specialty.

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**Primary Payer Category**

01 = Medicare  
02 = Medicaid  
03 = Other government  
04 = Blue cross/blue shield  
05 = Other commercial  
06 = Managed care  
07 = Self pay  
08 = Industrial and worker's compensation  
09 = Unclassified  
10 = Unknown  
13 = CHIP(Children's Health Insurance Plan)  
Blank= Not reported

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**Secondary Payer Category**

Descriptions are the same as first payer category.

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**Third Payer Category**

Descriptions are the same as first payer category.

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**Patient's Relationship to the First Insured Person**

1 = Patient is the named insured  
2 = Spouse  
3 = Natural Child/insured financial responsibility  
4 = Natural Child/insured does not have financial responsibility  
5 = Step Child  
6 = Foster Child  
7 = Ward of the Court (Patient is ward of the insured as a result of a court order.)  
8 = Employee (The patient is employed by the named insured.)  
9 = Unknown  
10 = Handicapped Dependent (Dependent child whose coverage extends beyond normal termination age limits as a result of laws or agreements extending coverage.)  
11 = Organ Donor (Code is used in cases where bill is submitted for care given to organ donor where such care is paid by the receiving patient's insurance coverage.)  
12 = Cadaver Donor (Code is used where bill is submitted for procedures performed on cadaver donor where such



procedures are paid by the receiving patient's insurance coverage.)

13 = Grandchild

14 = Niece or Nephew

15 = Injured Plaintiff (Patient is claiming insurance as a result of injury covered by insured.)

16 = Sponsored Dependent (Individual not normally covered by insurance coverage but coverage has been specially arranged to include relationships such as grandparent or former spouse that would require further investigation by the payer.)

17 = Minor Dependent of a Minor Dependent (Code is used where patient is a minor and a dependent of another minor who in turn is a dependent, although not a child, of the insured.)

18 = Parent

19 = Grandparent

99 = Unknown

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#### **Outlier, Facility Charge**

0 = No

1 = Yes

NOTE: A charge is an outlier if it is above 2.5 standard deviations from the mean of facility charges. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

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#### **Outlier, Length of Stay**

0 = No

1 = Yes

NOTE: A length of stay is an outlier if it is above 2.5 standard deviations from the mean of length of stay. Means and standard deviations are APR-DRG specific and calculated at the state level for a calendar year.

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#### **All Patient Refined Diagnosis Related Group (APR-DRG) Definitions Manual, Version 12.0**

001 Craniotomy w intracranial hemorrhage & deep coma

002 Craniotomy w/o intracranial hemorrhage & deep coma

004 Spinal procedures

005 Extracranial vascular procedures

006 Nervous system proc for peripheral nerve disorders

007 Nervous syst proc for cranial nerv & oth nerv sys disord

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

009 Spinal disorders & injuries  
010 Nervous system neoplasms  
012 Degenerative nervous system disorders  
013 Multiple sclerosis & cerebellar ataxia  
014 Cerebrovasc disord except TIA & intracranial hemorrhage  
015 Transient ischemic attack & precerebral occlusions  
016 Nonspecific cerebrovascular disorders  
017 Intracranial hemorrhage  
018 Cranial & peripheral nerve disorders  
019 Tuberculous & bacterial infections of nervous system  
020 Non-bacterial infections of nervous system exc viral meningitis  
021 Viral meningitis  
022 Hypertensive encephalopathy  
023 Nontraumatic stupor & coma  
024 Seizure  
025 Headache  
027 Head trauma w coma >1 hr or hemorrhage  
028 Skull fracture & spec intracranial injury, coma <1 hr or no coma  
029 [Label is not available]  
031 Concussion,unspec intracranial injury, coma <1 hr or no coma  
034 Other disorders of nervous system  
036 Retinal procedures  
037 Orbital procedures  
039 Lens procedures w or w/o vitrectomy  
040 Extraocular procedures except orbit  
042 Intraocular procedures except retina & lens  
044 Acute major eye infections  
045 Neurological eye disorders  
046 Other disorders of the eye  
049 Other major head and neck proc except tracheostomy  
051 Sialoadenectomy & salivary gland procedures  
052 Cleft lip & palate repair  
053 Sinus & mastoid procedures  
054 Facial bone procedures except major head & neck  
056 Rhinoplasty  
057 Tonsillectomy & adenoidectomy procedures  
058 Larynx,pharynx & tracheal proc except major head & neck  
063 Other ear, nose, mouth & throat O.R. procedures  
064 Ear, nose, mouth & throat malignancy  
065 Dysequilibrium  
066 Epistaxis  
067 Epiglottitis  
068 Otitis media & uri  
071 Laryngotracheitis  
072 Nasal trauma & deformity  
073 Other ear, nose, mouth & throat diagnoses  
075 Major chest procedures  
076 Other resp system O.R. procedures  
078 Pulmonary embolism  
079 Respiratory infections & inflammations  
082 Respiratory neoplasms  
083 Major chest trauma  
085 Pleural effusion  
087 Pulmonary edema & respiratory failure  
088 Chronic obstructive pulmonary disease  
089 Simple pneumonia & pleurisy  
090 Rsv pneumonia & whooping cough  
092 Interstitial lung disease  
094 Pneumothorax

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

096 Bronchitis & asthma  
101 Respiratory system signs, symptoms & other diagnoses  
103 Heart transplant  
104 Cardiac valve procedures w cardiac cath  
105 Cardiac valve procedures w/o cardiac cath  
106 Coronary bypass w cardiac cath  
107 Coronary bypass w/o cardiac cath  
108 Other cardiothoracic proc for major heart anomalies  
109 Other cardiothoracic proc except for major heart anomalies  
110 Major cardiovascular proc except occlusion proc  
111 Percutaneous cardiovascular procedures w AMI  
112 Percutaneous cardiovascular procedures w/o AMI  
113 Amputation for circ system disorder except upper limb & toe  
114 Upper limb & toe amputation for circ system disorders  
115 Perm cardiac pacemaker impl w AMI, heart failure or shock  
116 Oth perm cardiac pacemaker implant or AICD lead or generator proc  
117 Cardiac pacemaker revision except device replacement  
118 Cardiac pacemaker device replacement  
119 Vein ligation & stripping  
120 Other circulatory system O.R. procedures  
121 Circulatory disorders w AMI  
122 Cardiovascular occlusion procedures  
124 Circulatory disord except AMI, w card cath  
126 Acute & subacute endocarditis  
127 Heart failure & shock  
128 Deep vein thrombophlebitis  
129 Cardiac arrest, unexplained  
130 Peripheral & other vascular disorders  
132 Atherosclerosis  
134 Hypertension  
135 Cardiac congenital & valvular disorders  
138 Cardiac arrhythmia & conduction disorders  
140 Angina pectoris  
141 Syncope & collapse  
143 Chest pain  
144 Other circulatory system diagnoses  
146 Rectal resection  
148 Major small & large bowel procedures  
150 Peritoneal adhesiolysis  
152 Minor small & large bowel procedures  
154 Major stomach, esophageal & duodenal procedures  
155 Minor stomach, esophageal & duodenal procedures  
157 Anal & stomal procedures  
159 Hernia procedures except inguinal & femoral  
161 Inguinal & femoral hernia procedures  
164 Appendectomy  
168 Mouth procedures  
170 Other digestive system O.R. procedures  
172 Digestive malignancy  
174 G.I. hemorrhage & perforation  
176 Peptic ulcer w/o hemorrhage or perforation  
179 Inflammatory bowel disease  
180 G.I. obstruction  
182 Nonbacterial gastroenteritis & abdominal pain  
185 Dental & oral dis except extractions & restorations  
187 Dental extractions & restorations  
188 Other digestive system diagnoses  
191 Pancreas, liver & shunt procedures  
193 Biliary tract proc except only cholecyst w or w/o c.d.e.

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

195 Cholecystectomy w c.d.e.  
197 Cholecystectomy w/o c.d.e.  
199 Hepatobiliary diagnostic procedures  
201 Other hepatobiliary or pancreas O.R. procedures  
202 Cirrhosis & alcoholic hepatitis  
203 Malignancy of hepatobiliary system or pancreas  
204 Disorders of pancreas except malignancy  
205 Disorders of liver except malig,cirr, alc hepa  
207 Disorders of the biliary tract  
209 Maj joint & limb reattach proc of lower extremity for trauma  
210 Hip & femur procedures except major joint for trauma  
211 Hip & femur procedures except major joint for non-trauma  
212 Maj joint & limb reattach proc of low extrem exc for trauma  
213 Amputation for musculoskelet system & conn tissue disorders  
216 Biopsies of musculoskeletal system & connective tissue  
217 Wnd debrid & skn grft exc opn wnd,for ms & conn tis dis,exc hand  
218 Humer, knee & low extrem proc exc hip,foot,femur  
223 Major shoulder/elbow proc  
224 Shoulder,elbow or forearm proc, exc major joint proc  
225 Foot procedures  
226 Soft tissue procedures  
227 Multiple cranial & facial bone reconstructive procedures  
228 Major thumb or joint proc  
229 Hand or wrist proc, except major joint proc  
230 Local excision & removal of int fix devices of hip & femur  
231 Local excision & removal of int fix devices exc hip & femur  
232 Arthroscopy  
233 Other musculoskelet sys & conn tiss O.R. proc  
234 Cranial & facial bone reconstructive proc except multiple  
235 Fractures of femur  
236 Fractures of hip & pelvis  
237 Sprains, strains & dislocations of hip, pelvis & thigh  
238 Osteomyelitis  
239 Pathological fractures & musculoskeletal & conn tiss malignancy  
240 Connective tissue disorders  
242 Septic arthritis  
243 Medical back problems  
244 Bone diseases & specific arthropathies  
246 Non-specific arthropathies  
247 Signs & symptoms of musculoskeletal system & conn tissue  
248 Tendonitis, myositis & bursitis  
249 Aftercare, musculoskeletal system & connective tissue  
250 Fx,sprain & disl of up arm,forearm,hand,low leg&foot  
256 Other musculoskeletal system & connective tissue diagnoses  
257 Mastectomy for malignancy  
261 Breast proc for non-malignancy except biopsy & local excision  
262 Breast biopsy & local excision for non-malignancy  
263 Skin graft &/or debrid for skin ulcer, cellulitis  
265 Skin graft &/or debrid exc for skin ulcer, cellulitis  
267 Perianal & pilonidal procedures  
268 Skin, subcutaneous tissue & breast plastic procedures  
269 Other skin, subcut tiss & breast proc  
271 Skin ulcers  
272 Major skin disorders  
274 Malignant breast disorders  
276 Non-malignant breast disorders  
277 Cellulitis  
280 Trauma to the skin, subcut tiss & breast  
283 Minor skin disorders

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

285 Amputat of low limb for endocrine, nutrit & metabol disorders  
286 Adrenal & pituitary procedures  
287 Skin graft & wound debrid for endoc,nutrit & metab disorders  
288 O.R. procedures for obesity  
289 Thyroid, parathyroid & thyroglossal procedures  
292 Other endocrine, nutrit & metab O.R. proc  
294 Diabetes  
296 Nutritional & misc metabolic disorders  
299 Inborn errors of metabolism  
300 Endocrine disorders  
302 Kidney transplant  
303 Kidney & ureter proc for neoplasm  
304 Kidney & ureter proc for non-neoplasm  
306 Prostatectomy  
307 Major bladder procedures  
308 Minor bladder procedures  
310 Transurethral procedures  
312 Urethral procedures  
315 Other kidney & urinary tract O.R. procedures  
316 Renal failure  
317 Admit for renal dialysis  
318 Kidney & urinary tract neoplasms  
320 Kidney & urinary tract infections  
323 Urinary stones w esw lithotripsy  
324 Urinary stones w/o esw lithotripsy  
325 Kidney & urinary tract signs & symptoms  
328 Urethral stricture  
331 Other kidney & urinary tract diagnoses  
334 Major male pelvic procedures  
336 Transurethral prostatectomy  
338 Testes procedures for malignancy  
339 Testes procedures, non-malignancy  
341 Penis procedures  
344 Other male reproductive system O.R.proc for malignancy  
345 Other male reproductive system O.R.proc except for malignancy  
346 Malignancy, male reproductive system  
352 Male reproductive system diagnoses except malignancy  
353 Pelvic evisceration, radical hysterect & radical vulvectomy  
354 Uterine, adnexa proc for non-ovarian/adnexal malignancy  
356 Female reproductive system reconstructive procedures  
357 Uterine & adnexa proc for ovarian or adnexal malignancy  
358 Uterine & adnexa proc for ca in situ & non-malignancy  
360 Vagina, cervix & vulva procedures  
361 Laparoscopy & tubal interruption  
363 D&C,conization & radio-implant for malignancy  
364 D&C,conization except for malignancy  
365 Other female reproductive system O.R. procedures  
366 Malignancy, female reproductive system  
368 Infections, female reproductive system  
369 Menstrual & other female reproductive system disorders  
370 Cesarean delivery  
372 Vaginal delivery  
374 Vaginal delivery w sterilization &/or D&C  
375 Vaginal delivery w O.R. proc except steril &/or D&C  
376 Postpartum & post abortion diagnoses w/o O.R. procedure  
377 Postpartum & post abortion diagnoses w O.R. procedure  
378 Ectopic pregnancy  
379 Threatened abortion  
380 Abortion w/o D&C

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

381 Abortion w D&C, aspiration curettage or hysterotomy  
382 False labor  
383 Other antepartum diagnoses  
392 Splenectomy  
394 Other O.R. procedures of blood & blood forming organs  
395 Red blood cell disorders  
396 Sickle cell anemia crisis  
397 Coagulation disorders  
398 Reticuloendothelial & immunity disorders  
399 Hemophilia factors VIII and IX  
400 Lymphoma & leukemia w major O.R. procedure  
401 Lymphoma & non-acute leukemia w other O.R. proc  
403 Lymphoma & non-acute leukemia  
405 Acute leukemia w/o major O.R. procedure  
406 Myeloprolif disord or poorly diff neopl w maj O.R.proc  
408 Myeloprolif disord or poorly diff neopl w other O.R.proc  
409 Radiotherapy  
410 Chemotherapy  
413 Other myeloprolif dis or poorly diff neopla diag  
415 O.R. procedure for infectious & parasitic diseases  
416 Septicemia  
418 Postoperative & post-traumatic infections  
419 Fever of unknown origin  
421 Viral illness  
423 Other infectious & parasitic diseases diagnoses  
424 O.R. procedure w principal diagnoses of mental illness  
425 Acute adjust react & disturbance of psychosocial dysfunction  
426 Depressive neuroses  
427 Neuroses except depressive  
428 Disorders of personality & impulse control  
429 Organic disturbances & mental retardation  
430 Psychoses  
431 Childhood mental disorders  
432 Other mental disorder diagnoses  
439 Skin grafts for injuries  
440 Wound debridements for injuries except open wounds  
441 Hand procedures for injuries  
442 Other O.R. procedures for injuries  
444 Injuries to unspecified or multiple sites  
447 Allergic reactions  
449 Poisoning & toxic effects of drugs  
452 Complications of treatment  
454 Other injury, poisoning & toxic effect diagnosis  
456 Burns, transferred to another acute care facility  
457 Extensive burns w/o O.R. procedure  
458 Non-extensive burns w skin graft  
459 Non-extensive burns w wound debridement or other O.R. proc  
460 Non-extensive burns w/o O.R. procedure  
461 O.R. proc w diagnoses of other contact w health services  
462 Rehabilitation  
463 Signs & symptoms  
465 Aftercare  
467 Other factors influencing health status  
468 Extensive O.R. procedure unrelated to principal diagnosis  
469 Principal diagnosis invalid as discharge diagnosis  
470 Ungroupable  
471 Bilateral or multiple major joint procs of lower extremity  
472 Extensive burns w O.R. procedure  
475 Respiratory system diagnosis w ventilator support

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

476 Prostatic O.R. procedure unrelated to principal diagnosis  
477 Non-extensive O.R. procedure unrelated to principal diagnosis  
478 Other vascular procedures  
480 Liver transplant  
481 Bone marrow transplant  
482 Tracheostomy for face,mouth & neck diagnoses  
483 Tracheostomy except for face,mouth & neck diagnoses  
484 Lung transplant  
491 Major joint & limb reattachment procedures of upper extremity  
600 Neonate trach, w organ transplant, major O.R. proc or ecmo  
601 Neonate trach, w/o organ transplant, major O.R. proc or ecmo  
602 Neonate, w organ transplant  
603 Neonate, w ecmo, w major O.R. procedure  
604 Neonate, w ecmo, w/o major O.R. procedure  
610 Neonate, birthwt <750g w major O.R. procedure  
611 Neonate, birthwt <750g w/o major O.R. procedure  
615 Neonate, birthwt 750g-999g w major O.R. procedure  
616 Neonate, birthwt 750g-999g w/o major O.R. procedure  
620 Neonate, birthwt 1000-1499g w major O.R. procedure  
621 Neonate, birthwt 1000-1499g w major anomalies  
622 Neonate, birthwt 1000-1499g w resp distress syndrome  
623 Other neonate, birthwt 1000-1499g  
631 Bpd & oth chronic respiratory diseases arising in perinatal period  
633 Multiple, other & unspecified congenital anomalies  
640 Neonate, birthwt 1500-1999g w major O.R. procedure  
641 Neonate, birthwt 1500-1999g w major anomaly  
642 Neonate, birthwt 1500-1999g w respiratory distress syndrome  
643 Neonate, birthwt 1500-1999g w congenital/perinatal infection  
644 Other neonate, birthwt 1500-1999g  
650 Neonate, birthwt 2000-2499g w major O.R. procedure  
651 Neonate, birthwt 2000-2499g w major anomaly  
652 Neonate, birthwt 2000-2499g w respiratory distress syndrome  
653 Neonate, birthwt 2000-2499g w congenital/perinatal infection  
654 Neonate, bwt 2000-2499g not born here, pdx other major condtn  
655 Neonate, birthwt 2000-2499g, not born here, w other pdx  
656 Neonate, birthwt 2000-2499g, born here, w other signif condtn  
657 Neonate, bwt 2000-2499g,born here, normal NB & NB w other probs  
660 Neonate, birthwt >2499g w major cardiovasc O.R. proc  
661 Neonate, birthwt >2499g w major nervous system O.R. proc  
662 Neonate, birthwt >2499g w other major O.R. proc  
663 Neonate, bwt >2499g w other O.R. proc exc pyloro & non-ext O.R.  
664 Neonate, birthwt >2499g w pyloromyotomy  
665 Neonate, birthwt >2499g w non-extensive or procedure  
670 Neonate, birthwt >2499g w major cardiovascular anomaly  
671 Neonate, birthwt >2499g w other major anomaly  
672 Neonate, birthwt >2499g w respiratory distress syndrome  
673 Neonate, birthwt >2499g w massive aspiration syndrome  
674 Neonate, birthwt >2499g w congenital/perinatal infection  
675 Neonate, bwt >2499g not born here, pdx other major condition  
676 Neonate, birthwt >2499g, not born here, w other pdx  
677 Neonate, birthwt >2499g, born here, w other signif condition  
678 Neonate, bwt >2499g,born here, normal NB & NB w other probs  
690 Neonate, transferred <5 days old, not born here  
691 Neonate, transferred <5 days old, born here  
700 Tracheostomy for hiv infection  
701 Hiv w O.R. proc w multiple major hiv related infections  
702 Hiv w O.R. procedure w major hiv related diagnosis  
703 Hiv w O.R. procedure w/o major hiv related diagnosis  
704 Hiv w multiple major hiv related infections

### **All Patient Refined Diagnosis Related Group (APR-DRG)**

705 Hiv w maj hiv rel diag w mult maj or signif hiv rel diag  
706 Hiv w maj hiv rel diag w/o mult maj or signif hiv rel diag  
707 Hiv w significant hiv related diagnosis  
708 Hiv w/o major or significant hiv related diagnosis  
730 Craniotomy for multiple significant trauma  
731 Spine,hip,femur or limb proc for mult signif trauma  
732 Other O.R. procedure for multiple significant trauma  
733 Head, chest & lower limb diagnoses of multiple significant trauma  
734 Other diagnoses of multiple significant trauma  
737 Ventricular shunt procedures  
740 Cystic fibrosis  
743 Drug or alcohol abuse or dependence, left against medical advice  
744 Opioid abuse or dependence  
747 Cocaine abuse or dependence  
748 Other drug abuse or dependence  
750 Alcohol abuse or dependence  
752 Lead poisoning  
753 Compulsive nutrition disorder rehabilitation  
755 Dorsal & lumbar fusion proc for curvature of back  
756 Dorsal & lumbar fusion proc except for curvature of back  
757 Other back & neck procedures  
786 Major larynx and tracheal proc except tracheostomy  
787 Laparoscopic cholecystectomy  
790 Wound debrid & skin grft for open wnd,ms & conn tiss dis,exc hand  
791 Wound debridements for open wound injuries

### **APR-DRGs v15.0 MAPPING AND DRG DESCRIPTIONS**

Effective 2<sup>nd</sup> quarter of 1998

This table lists the APR-MDC (although the "APR-MDC" is not available in the public-use data file), Type of APR-DRG (Procedural or Medical), the APR-DRG number under version 12.0, and the APR-DRG number used in the new version 15.0 of the APR-DRG Grouper.

If you cannot find the v12.0 APR-DRG that you are looking for in this table, check the table of Consolidated APR-DRGs immediately following this table.

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
00	P	480	001	LIVER TRANSPLANT
00	P	484	002	HEART &/OR LUNG TRANSPLANT
00	P	481	003	BONE MARROW TRANSPLANT
00	P	483	004	TRACHEOSTOMY EXCEPT FOR FACE,MOUTH & NECK DIAGNOSES
00	P	482	005	TRACHEOSTOMY FOR FACE,MOUTH & NECK DIAGNOSES
00	P	468	950	EXTENSIVE PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
00	P	476	951	PROSTATIC PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
00	P	477	952	NONEXTENSIVE PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS
00	M	469	955	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS
00	M	470	956	UNGROUPABLE
01	P	002	020	CRANIOTOMY FOR TRAUMA
01	P	001	021	CRANIOTOMY EXCEPT FOR TRAUMA
01	P	737	022	VENTRICULAR SHUNT PROCEDURES
01	P	004	023	SPINAL PROCEDURES



# All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
01	P	005	024	EXTRACRANIAL VASCULAR PROCEDURES
01	P	006	025	NERVOUS SYSTEM PROC FOR PERIPHERAL NERVE DISORDERS
01	P	007	026	NERVOUS SYST PROC FOR CRANIAL NERV & OTH NERV SYS DISORD
01	M	009	040	SPINAL DISORDERS & INJURIES
01	M	010	041	NERVOUS SYSTEM NEOPLASMS
01	M	012	042	DEGENERATIVE NERVOUS SYSTEM DISORDERS
01	M	013	043	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA
01	M	017	044	INTRACRANIAL HEMORRHAGE
01	M	014	045	CVA W INFARCT
01	M	015	046	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT
01	M	026	047	TRANSIENT ISCHEMIA
01	M	018	048	CRANIAL & PERIPHERAL NERVE DISORDERS
01	M	019	049	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM
01	M	020	050	NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXC VIRAL MENINGITIS
01	M	021	051	VIRAL MENINGITIS
01	M	023	052	NONTRAUMATIC STUPOR & COMA
01	M	024	053	SEIZURE
01	M	025	054	MIGRAINE & OTHER HEADACHES
01	M	027	055	HEAD TRAUMA W COMA >1 HR OR HEMORRHAGE
01	M	028	056	SKULL FRACTURE & SPEC INTRACRANIAL INJURY, COMA <1 HR OR NO COMA
01	M	031	057	CONCUSSION,UNSPEC INTRACRANIAL INJURY, COMA <1 HR OR NO COMA
01	M	034	058	OTHER DISORDERS OF NERVOUS SYSTEM
02	P	037	070	ORBITAL PROCEDURES
02	P	036	071	INTRAOCULAR PROCEDURES EXCEPT LENS
02	P	040	072	EXTRAOCULAR PROCEDURES EXCEPT ORBIT
02	P	039	073	LENS PROCEDURES W OR W/O VITRECTOMY
02	M	044	080	ACUTE MAJOR EYE INFECTIONS
02	M	045	081	NEUROLOGICAL EYE DISORDERS
02	M	046	082	OTHER DISORDERS OF THE EYE
03	P	786	090	MAJOR LARYNX & TRACHEAL PROCEDURES EXCEPT TRACHEOSTOMY
03	P	049	091	OTHER MAJOR HEAD & NECK PROCEDURES
03	P	054	092	FACIAL BONE PROCEDURES EXCEPT MAJOR HEAD & NECK
03	P	053	093	SINUS & MASTOID PROCEDURES
03	P	168	094	MOUTH PROCEDURES
03	P	052	095	CLEFT LIP & PALATE REPAIR
03	P	051	096	SIALOADENECTOMY & SALIVARY GLAND PROCEDURES
03	P	057	097	TONSILLECTOMY & ADENOIDECTOMY PROCEDURES
03	P	063	098	OTHER EAR, NOSE, MOUTH & THROAT PROCEDURES
03	M	064	110	EAR, NOSE, MOUTH & THROAT MALIGNANCY
03	M	065	111	DYSEQUILIBRIUM
03	M	066	112	EPISTAXIS
03	M	071	113	EPIGLOTTITIS,OTITIS MEDIA,URI & LARYNGOTRACHEITIS
03	M	185	114	DENTAL & ORAL DISEASE
03	M	072	115	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES
04	P	075	120	MAJOR RESPIRATORY PROCEDURES
04	P	077	121	NON-MAJOR RESPIRATORY PROCEDURES
04	P	076	122	OTHER RESPIRATORY SYSTEM PROCEDURES
04	M	475	130	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT 96+ HOURS
04	M	740	131	CYSTIC FIBROSIS

# All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
04	M	631	132	BPD & OTH CHRONIC RESPIRATORY DIS ARISING IN PERINATAL PERIOD
04	M	087	133	PULMONARY EDEMA & RESPIRATORY FAILURE
04	M	078	134	PULMONARY EMBOLISM
04	M	083	135	MAJOR CHEST TRAUMA
04	M	082	136	RESPIRATORY MALIGNANCY
04	M	079	137	RESPIRATORY INFECTIONS & INFLAMMATIONS
04	M	090	138	RSV PNEUMONIA & WHOOPING COUGH
04	M	089	139	SIMPLE PNEUMONIA
04	M	088	140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE
04	M	096	141	ASTHMA & BRONCHIOLITIS
04	M	092	142	INTERSTITIAL LUNG DISEASE
04	M	094	143	PNEUMOTHORAX & PLEURAL EFFUSION
04	M	101	144	RESPIRATORY SYSTEM SIGNS, SYMPTOMS & OTHER DIAGNOSES
05	P	108	160	MAJOR CARDIOTHORACIC REPAIR OF HEART ANOMALY
05	P	103	161	CARDIAC DEFIBRILLATOR IMPLANT
05	P	104	162	CARDIAC VALVE PROCEDURES W CARDIAC CATHETERIZATION
05	P	105	163	CARDIAC VALVE PROCEDURES W/O CARDIAC CATHETERIZATION
05	P	131	164	CORONARY BYPASS W MALFUNCTIONING CORONARY BYPASS GRAFT
05	P	106	165	CORONARY BYPASS W/O MALFUNCTIONING CORONARY BYPASS W CARDIAC CATH
05	P	107	166	CORONARY BYPASS W/O MALFUNCTIONING CORONARY BYPASS W/O CARDIAC CATH
05	P	109	167	OTHER CARDIOTHORACIC PROCEDURES
05	P	110	168	MAJOR THORACIC VASCULAR PROCEDURES
05	P	133	169	MAJOR ABDOMINAL VASCULAR PROCEDURES
05	P	115	170	PERMANENT CARDIAC PACEMAKER IMPLANT W AMI,HEART FAILURE OR SHOCK
05	P	116	171	PERM CARDIAC PACEMAKER IMPLANT W/O AMI, HEART FAILURE OR SHOCK
05	P	113	172	AMPUTATION FOR CIRC SYSTEM DISORDER EXCEPT UPPER LIMB & TOE
05	P	478	173	OTHER VASCULAR PROCEDURES
05	P	111	174	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W AMI
05	P	112	175	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W/O AMI
05	P	118	176	CARDIAC PACEMAKER & DEFIBRILLATOR DEVICE REPLACEMENT
05	P	117	177	CARDIAC PACEMAKER & DEFIBRILLATOR REVISION EXCEPT DEVICE REPLACEMENT
05	P	114	178	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS
05	P	119	179	VEIN LIGATION & STRIPPING
05	P	120	180	OTHER CIRCULATORY SYSTEM PROCEDURES
05	M	121	190	CIRCULATORY DISORDERS W AMI
05	M	125	191	CARDIAC CATHETERIZATION W CIRC DISORD EXC ISCHEMIC HEART DISEASE
05	M	124	192	CARDIAC CATHETERIZATION FOR ISCHEMIC HEART DISEASE
05	M	126	193	ACUTE & SUBACUTE ENDOCARDITIS
05	M	127	194	HEART FAILURE
05	M	128	195	DEEP VEIN THROMBOPHLEBITIS
05	M	129	196	CARDIAC ARREST, UNEXPLAINED
05	M	130	197	PERIPHERAL & OTHER VASCULAR DISORDERS
05	M	132	198	ATHEROSCLEROSIS
05	M	134	199	HYPERTENSION
05	M	135	200	CARDIAC CONGENITAL & VALVULAR DISORDERS
05	M	138	201	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS
05	M	140	202	ANGINA PECTORIS
05	M	143	203	CHEST PAIN

### All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
05	M	141	204	SYNCOPE & COLLAPSE
05	M	145	205	CARDIOMYOPATHY
05	M	142	206	MALFUNCTION,REACTION & COMP OF CARDIAC OR VASC DEVICE OR PROC
05	M	144	207	OTHER CIRCULATORY SYSTEM DIAGNOSES
06	P	154	220	MAJOR STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES
06	P	146	221	MAJOR SMALL & LARGE BOWEL PROCEDURES
06	P	155	222	MINOR STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES
06	P	152	223	MINOR SMALL & LARGE BOWEL PROCEDURES
06	P	150	224	PERITONEAL ADHESIOLYSIS
06	P	164	225	APPENDECTOMY
06	P	157	226	ANAL & STOMAL PROCEDURES
06	P	159	227	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL
06	P	161	228	INGUINAL & FEMORAL HERNIA PROCEDURES
06	P	170	229	OTHER DIGESTIVE SYSTEM PROCEDURES
06	M	172	240	DIGESTIVE MALIGNANCY
06	M	176	241	PEPTIC ULCER & GASTRITIS
06	M	184	242	MAJOR ESOPHAGEAL DISORDERS
06	M	189	243	OTHER ESOPHAGEAL DISORDERS
06	M	177	244	DIVERTICULITIS & DIVERTICULOSIS
06	M	179	245	INFLAMMATORY BOWEL DISEASE
06	M	183	246	G.I. VASCULAR INSUFFICIENCY
06	M	180	247	G.I. OBSTRUCTION
06	M	178	248	MAJOR G.I. BACTERIAL INFECTIONS
06	M	182	249	NONBACTERIAL GASTROENTERITIS & ABDOMINAL PAIN
06	M	188	250	OTHER DIGESTIVE SYSTEM DIAGNOSES
07	P	191	260	PANCREAS, LIVER & SHUNT PROCEDURES
07	P	193	261	MAJOR BILIARY TRACT PROCEDURES
07	P	197	262	CHOLECYSTECTOMY EXCEPT LAPAROSCOPIC
07	P	787	263	LAPAROSCOPIC CHOLECYSTECTOMY
07	P	199	264	OTHER HEPATOBILIARY & PANCREAS PROCEDURES
07	M	202	280	CIRRHOSIS & ALCOHOLIC HEPATITIS
07	M	203	281	MALIGNANCY OF HEPATOBILIARY SYSTEM & PANCREAS
07	M	204	282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY
07	M	205	283	DISORDERS OF LIVER EXCEPT MALIG, CIRRHOSIS OR ALCOHOLIC HEPATITIS
07	M	207	284	DISORDERS OF THE BILIARY TRACT
08	P	471	300	BILATERAL & MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMITY
08	P	209	301	MAJOR JOINT & LIMB REATTACH PROC OF LOWER EXTREMITY FOR TRAUMA
08	P	212	302	MAJOR JOINT & LIMB REATTACH PROC OF LOWER EXTREM EXC FOR TRAUMA
08	P	755	303	DORSAL & LUMBAR FUSION PROC FOR CURVATURE OF BACK
08	P	756	304	DORSAL & LUMBAR FUSION PROC EXCEPT FOR CURVATURE OF BACK
08	P	213	305	AMPUTATION FOR MUSCULOSKELET SYSTEM & CONN TISSUE DISORDERS
08	P	491	306	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY
08	P	227	307	CRANIAL & FACIAL BONE RECONSTRUCTIVE PROCEDURES
08	P	210	308	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT FOR TRAUMA
08	P	211	309	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT FOR NONTRAUMA
08	P	757	310	BACK & NECK PROCEDURES EXCEPT DORSAL & LUMBAR FUSION
08	P	790	311	SKIN GRAFT & WND DEBRID FOR OPEN WND,MS & CONN TISS DIS,EXC HAND

### All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
08	P	217	312	SKIN GRFT & WND DEBRID EXC OPN WND, FOR MS & CONN TIS DIS, EXC HAND
08	P	218	313	KNEE & LOWER LEG PROCEDURES EXCEPT FOOT
08	P	225	314	FOOT PROCEDURES
08	P	223	315	SHOULDER, ELBOW & FOREARM PROCEDURES
08	P	228	316	HAND & WRIST PROCEDURES
08	P	226	317	SOFT TISSUE PROCEDURES
08	P	230	318	REMOVAL OF INTERNAL FIXATION DEVICE
08	P	231	319	LOCAL EXCISION OF MUSCULOSKELETAL SYSTEM
08	P	233	320	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE PROCEDURES
08	M	235	340	FRACTURES OF FEMUR
08	M	236	341	FRACTURE OF PELVIS OR DISLOCATION OF HIP
08	M	250	342	FRACTURE OR DISLOCATION EXCEPT FEMUR & PELVIS
08	M	239	343	MUSCULOSKELETAL & CONN TISS MALIGNANCY & PATHOLOGICAL
08	M	238	344	OSTEOMYELITIS
08	M	242	345	SEPTIC ARTHRITIS
08	M	240	346	CONNECTIVE TISSUE DISORDERS
08	M	243	347	MEDICAL BACK PROBLEMS
08	M	244	248	OTHER BONE DISEASES
08	M	251	349	MAJORITY, REACTION & COMP OF ORTHOPEDIC DEVICE OR PROCEDURE
08	M	247	350	MUSCULOSKELETAL SIGNS, SYMPTOMS, SPRAINS & MINOR INFLAMMATORY DIS
08	M	256	351	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES
09	P	263	360	SKIN GRAFT & WOUND DEBRID FOR SKIN ULCER & CELLULITIS
09	P	265	361	SKIN GRAFT & WOUND DEBRID EXC FOR SKIN ULCER & CELLULITIS
09	P	257	362	MASTECTOMY PROCEDURES
09	P	261	363	BREAST PROCEDURES EXCEPT MASTECTOMY
09	P	268	364	OTHER SKIN, SUBCUTANEOUS TISSUE & BREAST PROCEDURES
09	M	271	380	SKIN ULCERS
09	M	272	381	MAJOR SKIN DISORDERS
09	M	274	382	MALIGNANT BREAST DISORDERS
09	M	277	383	CELLULITIS
09	M	280	384	TRAUMA TO THE SKIN, SUBCUTANEOUS TISSUE & BREAST
09	M	283	385	OTHER SKIN & BREAST DISORDERS
10	P	285	400	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT & METABOLIC DISORDERS
10	P	286	401	ADRENAL & PITUITARY PROCEDURES
10	P	287	402	SKIN GRAFT & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS
10	P	288	403	PROCEDURES FOR OBESITY
10	P	289	404	THYROID, PARATHYROID & THYROID GLAND PROCEDURES
10	P	292	405	OTHER ENDOCRINE, NUTRITIONAL & METABOLIC PROCEDURES
10	M	294	420	DIABETES
10	M	296	421	NUTRITIONAL & MISC METABOLIC DISORDERS
10	M	295	422	HYPOVOLEMIA & ELECTROLYTE DISORDERS
10	M	299	423	INBORN ERRORS OF METABOLISM
10	M	300	424	OTHER ENDOCRINE DISORDERS
11	P	302	440	KIDNEY TRANSPLANT
11	P	307	441	MAJOR BLADDER PROCEDURES
11	P	303	442	KIDNEY & URINARY TRACT PROCEDURES FOR MALIGNANCY
11	P	304	443	KIDNEY & URINARY TRACT PROCEDURES FOR NONMALIGNANCY

# All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
11	P	305	444	CREATE, REVISE, REMOVE RENAL ACCESS DEVICE
11	P	308	445	MINOR BLADDER PROCEDURES
11	P	310	446	URETHRAL & TRANSURETHRAL PROCEDURES
11	P	315	447	OTHER KIDNEY & URINARY TRACT PROCEDURES
11	M	316	460	RENAL FAILURE
11	M	318	461	KIDNEY & URINARY TRACT MALIGNANCY
11	M	329	462	NEPHRITIS
11	M	320	463	KIDNEY & URINARY TRACT INFECTIONS
11	M	323	464	URINARY STONES W ESW LITHOTRIPSY
11	M	324	465	URINARY STONES W/O ESW LITHOTRIPSY
11	M	330	466	MALFUNCTIONS,REACTIONS & COMP OF GU DEVICE,GRAFT OR TRANSPLANT
11	M	325	467	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS
11	M	331	468	OTHER KIDNEY & URINARY TRACT DIAGNOSES
12	P	334	480	MAJOR MALE PELVIC PROCEDURES
12	P	341	481	PENIS PROCEDURES
12	P	336	482	TRANSURETHRAL PROSTATECTOMY
12	P	338	483	TESTES PROCEDURES
12	P	344	484	OTHER MALE REPRODUCTIVE SYSTEM PROCEDURES
12	M	346	500	MALIGNANCY, MALE REPRODUCTIVE SYSTEM
12	M	352	501	MALE REPRODUCTIVE SYSTEM DIAGNOSES EXCEPT MALIGNANCY
13	P	353	510	PELVIC EVISCERATION, RADICAL HYSTERECTECTOMY & RADICAL VULVECTOMY
13	P	357	511	UTERINE & ADNEXA PROCEDURES FOR OVARIAN & ADNEXAL MALIGNANCY
13	P	354	512	UTERINE & ADNEXA PROCEDURES FOR NON-OVARIAN & NON-ADNEXAL MALIG
13	P	358	513	UTERINE & ADNEXA PROCEDURES FOR CA IN SITU & NONMALIGNANCY
13	P	356	514	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES
13	P	360	515	VAGINA, CERVIX & VULVA PROCEDURES
13	P	361	516	LAPAROSCOPY & TUBAL INTERRUPTION
13	P	363	517	D&C & CONIZATION
13	P	365	518	OTHER FEMALE REPRODUCTIVE SYSTEM PROCEDURES
13	M	366	530	FEMALE REPRODUCTIVE SYSTEM MALIGNANCY
13	M	368	531	FEMALE REPRODUCTIVE SYSTEM INFECTIONS
13	M	369	532	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS
14	P	370	540	CESAREAN DELIVERY
14	P	374	541	VAGINAL DELIVERY W STERILIZATION &/OR D&C
14	P	375	542	VAGINAL DELIVERY W PROC EXCEPT STERILIZATION &/OR D&C
14	P	377	543	POSTPARTUM & POST ABORTION DIAGNOSES W PROCEDURE
14	P	381	544	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
14	M	372	560	VAGINAL DELIVERY
14	M	376	561	POSTPARTUM & POST ABORTION DIAGNOSES W/O PROCEDURE
14	M	378	562	ECTOPIC PREGNANCY
14	M	379	563	THREATENED ABORTION
14	M	380	564	ABORTION W/O D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
14	M	382	565	FALSE LABOR
14	M	383	566	OTHER ANTEPARTUM DIAGNOSES
15	M	690	580	NEONATE, TRANSFERRED <5 DAYS OLD, NOT BORN HERE
15	M	691	581	NEONATE, TRANSFERRED <5 DAYS OLD, BORN HERE
15	P	602	582	NEONATE, W ORGAN TRANSPLANT
15	P	604	583	NEONATE, W ECMO
15	P	610	590	NEONATE, BIRTHWT <750G W MAJOR PROCEDURE

### All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
15	M	611	591	NEONATE, BIRTHWT <750G W/O MAJOR PROCEDURE
15	P	615	592	NEONATE, BIRTHWT 750G-999G W MAJOR PROCEDURE
15	M	616	593	NEONATE, BIRTHWT 750G-999G W/O MAJOR PROCEDURE
15	P	620	600	NEONATE, BIRTHWT 1000-1499G W MAJOR PROCEDURE
15	M	621	601	NEONATE, BIRTHWT 1000-1499G W MAJOR ANOM OR HEREDITARY CONDITION
15	M	622	602	NEONATE, BIRTHWT 1000-1499G W RESPIRATORY DISTRESS SYNDROME
15	M	623	603	OTHER NEONATE, BIRTHWT 1000-1499G
15	P	640	610	NEONATE, BIRTHWT 1500-1999G W MAJOR PROCEDURE
15	M	641	611	NEONATE, BIRTHWT 1500-1999G W MAJOR ANOM OR HEREDITARY CONDITION
15	M	642	612	NEONATE, BIRTHWT 1500-1999G W RESPIRATORY DISTRESS SYNDROME
15	M	643	613	NEONATE, BIRTHWT 1500-1999G W CONGENITAL OR PERINATAL INFECTIONS
15	M	644	614	OTHER NEONATE, BIRTHWT 1500-1999G
15	P	650	620	NEONATE, BIRTHWT 2000-2499G W MAJOR PROCEDURE
15	M	651	621	NEONATE, BIRTHWT 2000-2499G W MAJOR ANOM OR HEREDITARY CONDITION
15	M	652	622	NEONATE, BIRTHWT 2000-2499G W RESPIRATORY DISTRESS SYNDROME
15	M	653	623	NEONATE, BIRTHWT 2000-2499G W CONGENITAL OR PERINATAL INFECTIONS
15	M	654	624	NEONATE, BWT 2000-2499G NOT BORN HERE
15	M	656	625	NEONATE, BIRTHWT 2000-2499G, BORN HERE, W OTHER SIGNIF CONDTN
15	M	657	626	NEONATE, BWT 2000-2499G, BORN HERE, NORMAL NB & NB W OTHER PROB
15	P	660	630	NEONATE, BIRTHWT >2499G W MAJOR CARDIOVASC PROCEDURE
15	P	662	631	NEONATE, BIRTHWT >2499G W OTHER MAJOR PROCEDURE
15	P	665	632	NEONATE, BIRTHWT >2499G W OTHER PROCEDURE
15	M	671	633	NEONATE, BIRTHWT >2499G W MAJOR ANOMALY OR HEREDITARY CONDITION
15	M	672	634	NEONATE, BIRTHWT >2499G W RESPIRATORY DISTRESS SYNDROME
15	M	673	635	NEONATE, BIRTHWT >2499G W ASPIRATION SYNDROME
15	M	674	636	NEONATE, BIRTHWT >2499G W CONGENITAL/PERINATAL INFECTIONS
15	M	675	637	NEONATE, BWT >2499G NOT BORN HERE, PDX OTHER SIGNIF CONDITION
15	M	676	638	NEONATE, BIRTHWT >2499G, NOT BORN HERE, PDX OTHER PROBLEM
15	M	677	639	NEONATE, BIRTHWT >2499G, BORN HERE, W OTHER SIGNIF CONDITION
15	M	678	640	NEONATE, BWT >2499G, BORN HERE, NORMAL NB & NB W OTHER PROB
16	P	392	650	SPLENECTOMY
16	P	394	651	OTHER PROCEDURES OF BLOOD & BLOOD FORMING ORGANS
16	M	393	660	AGRANULOCYTOSIS & OTHER NEUTROPENIA
16	M	397	661	COAGULATION DISORDERS
16	M	396	662	SICKLE CELL ANEMIA CRISIS
16	M	395	663	RED BLOOD CELL DISORDERS EXCEPT SICKLE CELL ANEMIA CRISIS
16	M	398	664	OTHER DISORDERS OF BLOOD & BLOOD FORMING ORGANS
17	P	400	680	LYMPHOMA & LEUKEMIA W MAJOR PROCEDURE
17	P	401	681	LYMPHOMA & LEUKEMIA W ANY OTHER PROCEDURE
17	P	406	682	MYELOPROLIF DISORDER & POORLY DIFF NEOPL W MAJOR PROCEDURE

### All Patient Refined Diagnosis Related Group (APR-DRG)

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
17	P	408	683	MYELOPROLIF DISORDER & POORLY DIFF NEOPL W ANY OTHER PROCEDURE
17	M	405	690	ACUTE LEUKEMIA
17	M	403	691	LYMPHOMA & NON-ACUTE LEUKEMIA
17	M	409	692	RADIOTHERAPY
17	M	410	693	CHEMOTHERAPY
17	M	413	694	OTHER MYELOPROLIF DISORDERS & POORLY DIFF NEOPLASM DIAGNOSIS
18	P	415	710	PROCEDURES FOR INFECTIOUS & PARASITIC DISEASES
18	P	417	711	PROCEDURES FOR POSTOPERATIVE & POST TRAUMATIC INFECTIONS
18	M	416	720	SEPTICEMIA
18	M	418	721	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS
18	M	419	722	FEVER OF UNKNOWN ORIGIN
18	M	421	723	VIRAL ILLNESS
18	M	423	724	OTHER INFECTIOUS & PARASITIC DISEASES
19	P	424	740	PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS
19	M	433	750	SCHIZOPHRENIA
19	M	430	751	PSYCHOSES
19	M	428	752	DISORDERS OF PERSONALITY & IMPULSE CONTROL
19	M	434	753	BIPOLAR DISORDERS
19	M	426	754	DEPRESSION
19	M	427	755	NEUROSES EXCEPT DEPRESSIVE
19	M	425	756	ACUTE ADJUST REACT & DISTURBANCE OF PSYCHOSOCIAL DYSFUNCTION
19	M	429	757	ORGANIC DISTURBANCES & MENTAL RETARDATION
19	M	431	758	CHILDHOOD MENTAL DISORDERS
19	M	753	759	COMPULSIVE NUTRITION DISORDERS
19	M	432	760	OTHER MENTAL DISORDERS
20	M	743	770	DRUG & ALCOHOL ABUSE OR DEPENDENCE, LEFT AGAINST MEDICAL ADVICE
20	M	751	771	ALCOHOL & DRUG DEPENDENCE W COMBINED REHAB & DETOX THERAPY
20	M	749	772	ALCOHOL & DRUG DEPENDENCE W REHABILITATION THERAPY
20	M	744	773	OPIOID ABUSE & DEPENDENCE
20	M	747	774	COCAINE ABUSE & DEPENDENCE
20	M	750	775	ALCOHOL ABUSE & DEPENDENCE
20	M	748	776	OTHER DRUG ABUSE & DEPENDENCE
21	P	439	790	SKIN GRAFT & WOUND DEBRIDEMENT FOR INJURIES
21	P	443	791	PROCEDURES FOR COMPLICATIONS OF TREATMENT
21	P	442	792	OTHER PROCEDURES FOR INJURIES
21	M	444	810	INJURIES TO UNSPECIFIED OR MULTIPLE SITES
21	M	447	811	ALLERGIC REACTIONS
21	M	449	812	POISONING & TOXIC EFFECTS OF DRUGS
21	M	452	813	COMPLICATIONS OF TREATMENT
21	M	453	814	CHILD OR ADULT MALTREATMENT SYNDROME
21	M	454	815	OTHER INJURY, POISONING & TOXIC EFFECT DIAGNOSES
22	M	456	830	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY
22	P	472	831	EXTENSIVE BURNS W PROCEDURE
22	P	458	832	NONEXTENSIVE BURNS W SKIN GRAFT
22	P	459	833	NONEXTENSIVE BURNS W WOUND DEBRIDEMENT & OTHER PROCEDURES
22	M	460	840	BURNS W/O PROCEDURE
23	P	461	850	PROCEDURE W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES
23	M	462	860	REHABILITATION

**All Patient Refined Diagnosis Related Group (APR-DRG)**

APR-MDC	TYPE	v12 APR-DRG	v15 APR-DRG	DESCRIPTION
23	M	463	861	SIGNS & SYMPTOMS
23	M	467	862	OTHER FACTORS INFLUENCING HEALTH STATUS
24	P	700	870	TRACHEOSTOMY FOR HIV INFECTIONS
24	P	701	871	HIV W PROC W MULTIPLE MAJOR HIV RELATED INFECTIONS
24	P	702	872	HIV W PROCEDURE W MAJOR HIV RELATED DIAGNOSIS
24	P	703	873	HIV W PROCEDURE W/O MAJOR HIV RELATED DIAGNOSIS
24	M	704	890	HIV W MULTIPLE MAJOR HIV RELATED INFECTIONS
24	M	705	891	HIV W MAJ HIV REL DIAG W MULT MAJ OR SIGNIF HIV REL DIAG
24	M	706	892	HIV W MAJ HIV REL DIAG W/O MULT MAJ OR SIGNIF HIV REL DIAG
24	M	707	893	HIV W SIGNIFICANT HIV RELATED DIAGNOSIS
24	M	708	894	HIV W/O MAJOR OR SIGNIFICANT HIV RELATED DIAGNOSIS
25	P	730	910	CRANIOTOMY, SPINE, HIP & MAJOR LIMB PROC FOR MULTIPLE SIG TRAUMA
25	P	732	911	OTHER PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA
25	M	733	930	HEAD, CHEST & LOWER LIMB DIAGNOSES OF MULTIPLE SIGNIFICANT TRAUMA
25	M	734	931	OTHER DIAGNOSES OF MULTIPLE SIGNIFICANT TRAUMA



## All Patient Refined Diagnosis Related Group (APR-DRG)

### CONSOLIDATED APR-DRGs

This table lists the APR-MDC, the old APR-DRG number, and the APR-DRG that it was combined with. Please note that all APR-DRG numbers are version 12.0.

APR-MDC	Old APR-DRG	Consolidated APR-DRG	DESCRIPTION
00	103	484	HEART AND/OR LUNG TRANSPLANT
01	022	023	NONTRAUMATIC STUPOR & COMA
02	042	036	INTRAOCULAR PROCEDURES EXCEPT LENS
03	056, 058	063	OTHER EAR, NOSE, MOUTH & THROAT PROCEDURES
03	067, 068	071	EPIGLOTTITIS, OTITIS MEDIA, URI & LARYNGOTRACHEITIS
03	073	072	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES
03	187	185	DENTAL & ORAL DISEASE
04	085	094	PNEUMOTHORAX
06	148	146	MAJOR SMALL & LARGE BOWEL PROCEDURES
07	201	199	OTHER HEPATOBILIARY OR PANCREAS PROCEDURES
08	216, 232	233	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE PROC
08	224	223	SHOULDER, ELBOW OR FOREARM PROCEDURES
08	234	227	CRANIAL & FACIAL BONE RECONSTRUCTIVE PROCEDURES
08	229	228	HAND OR WRIST PROCEDURES
08	246	244	OTHER BONE DISEASES
08	248, 249	256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES
09	262	261	BREAST PROCEDURES EXCEPT MASTECTOMY
09	267, 269	268	OTHER SKIN, SUBCUT TISSUE & BREAST PROCEDURES
09	276	283	OTHER SKIN & BREAST DISORDERS
11	312	310	URETHRAL & TRANSURETHRAL PROCEDURES
11	317, 328	331	OTHER KIDNEY & URINARY TRACT DIAGNOSES
12	339	338	TESTES PROCEDURES
12	345	344	OTHER MALE REPRODUCTIVE SYSTEM PROCEDURES
13	364	363	D&C & CONIZATION
15	603	604	NEONATES WITH ECMO
15	655	654	NEONATE BIRTHWT 2000-2499G NOT BORN HERE
15	661	662	NEONATE, BIRTHWT >2499G W MAJOR O.R. PROC
15	663, 664	665	NEONATE, BIRTHWT >2499G W OTHER O.R. PROC
15	670	671	NEONATE, BIRTHWT >2499G W MAJOR ANOM/HEREDITARY CONDITION
16	399	397	COAGULATION DISORDERS
21	440, 791	439	SKIN GRAFT OR WOUND DEBRIDEMENT FOR INJURIES
21	441	442	OTHER PROCEDURES FOR INJURIES
21	752	449	POISONING & TOXIC EFFECTS OF DRUGS
22	457	460	BURNS W/O O.R. PROCEDURE
23	465	467	OTHER FACTORS INFLUENCING HEALTH STATUS
25	731	730	CRANIOTOMY & SPINE, HIP & MAJOR LIMB PROC FOR MULT SIGNIF TRAUMA

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**Patient Severity Subclass Value**

- 0 = No value assigned
- 1 = No, or minor complication or co-morbidity
- 2 = Moderate complication or co-morbidity
- 3 = Major complication or co-morbidity
- 4 = Extreme complication or co-morbidity

Note:           Patient severity subclass value should be used as a subcategory of  
                  APR-DRG.

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**Discharge Quarter**

- 1 = First Quarter (January 1 to March 31)
- 2 = Second Quarter (April 1 to June 30)
- 3 = Third Quarter (July 1 to September 30)
- 4 = Fourth Quarter (October 1 to December 31)

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**Record ID Number**

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**Ecode**

                  Definition and category are the same as Principal Diagnosis Code

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**APPENDIX A**  
**CASE-MIX INDEX**

## CASE-MIX INDEX

The case-mix indices were derived as follows:

1. Calculate relative weight for each APR-DRG i:

$$W_i = \frac{C_i}{C_s}$$

where

- i = APR-DRG i
- s = State level
- W<sub>i</sub> = Relative weight for APR-DRG i
- C<sub>i</sub> = Average charge for APR-DRG i
- C<sub>s</sub> = Average charge for all patients

2. Calculate case-mix index for hospital j:

$$I_j = \frac{\sum_i W_i N_{ij}}{N_j}$$

where:

- j = Hospital j
- I<sub>j</sub> = Case-mix index for hospital j
- N<sub>ij</sub> = Number of discharges for APR-DRG i and hospital j
- N<sub>j</sub> = Total discharges for hospital j

In the calculation of the case-mix-index, the following were excluded: outliers and discharges from psychiatric and substance abuse hospitals, South Davis Community Hospital, Doxey-Hatch Medical Center, Western Rehabilitation Institute, VA Hospital, and Utah State Hospital. Because of very high percentage of missing values for total charges, records from Allen Memorial Hospital and Milford Valley Memorial Hospital were also excluded from calculations.

Case-mix Indices are not among the data elements in the public-use data file but are available upon request.

**APPENDIX B**

**APR-DRG RESOURCE INTENSITY INDEX**

## APR-DRG RESOURCE INTENSITY INDEX

Hospital- and DRG-specific resource intensity indices were calculated as a measure of the overall complexity of a hospital's patient mix at the DRG level. The indices were calculated as follows:

$$W_{ik} = \frac{C_{ik}}{C_i}$$

$$S_{ij} = \frac{\sum_{k=0}^4 N_{ijk} W_{ik}}{N_{ij}}$$

Where

$W_{ik}$  = Charge-weight for severity level  $k$  of consolidated DRG  $i$

$C_{ik}$  = Average charges for consolidated DRG  $i$ , severity level  $k$ , all hospitals

$C_i$  = Average charges for consolidated DRG  $i$ , all hospitals

$S_{ij}$  = Severity index for consolidated DRG  $i$  and hospital  $j$

$N_{ijk}$  = Number of discharges for consolidated DRG  $i$ , hospital  $j$ , and severity level  $k$

$N_{ij}$  = Number of discharges for consolidated DRG  $i$ , hospital  $j$

The severity score,  $k$ , is assigned by the 3M PC-Grouper software as part of the APR-DRG categorization. The severity score ranges from 1 (no CC or minor CC), to 4 (extreme CC). A consolidated DRG may be the same as a single DRG or a combination of DRGs. For example, DRG 002 (Craniotomy for trauma age >17) and DRG 003 (Craniotomy for trauma age 0-17) are combined into a consolidated DRG 002 (Craniotomy for trauma). The consolidated DRG, broken down into the four severity levels, comprise the APR-DRG.

A hospital APR-DRG resource intensity index of greater than 1 for a

DRG means that the hospital had greater proportion of patients that required high resource use than patients that required less. Analyses not shown here reveal that total charges are not necessarily positively correlated with severity score within a DRG (e.g., for some DRGs, patients with severity score "2" had higher average charges than those with severity score "3"), nor is the relationship monotone (e.g., for some DRGs level '2' patients have lower average charges than both level '1' and level '3' patients). Therefore, a high index does not necessarily reflect relatively high proportion of "sicker" patients, only relatively high proportion of "high resource-use" patients. In most cases, both interpretations apply.

For DRGs (newborns and neonates) for which no severity score is assigned ( $k=0$ ), the severity index is equal to 1.

APR-DRG Resource Intensity Indices are not among the data elements in the public-use data file but available upon request.





**APPENDIX C**

**UTAH HOSPITAL PROFILE**

## HOSPITAL CHARACTERISTICS: 1998

Hospital Name	OWN*	AFFILIATION	OWN/TYPE	COUNTY	CITY	U/R	TEACH.	BEDS
Allen Memorial Hospital	G	Rural Hlth Mgmt	GOV	Grand	Moab	R	N	38
Alta View Hospital	N	IHC, Inc.	IHC	SL	Sandy	U	N	70
American Fork Hospital	N	IHC, Inc.	IHC	Utah	American Fork	U	N	72
Ashley Valley Medical Center	I	Columbia	Columbia	Uintah	Vernal	R	N	39
Bear River Valley Hospital	N	IHC, Inc.	IHC	Box Elder	Tremonton	R	N	20
Beaver Valley Hospital	G	Freestanding	GOV	Beaver	Beaver	R	N	36
Benchmark Behavioral Hlth Systems North	I	Ramsay Hlth Care	SP/Psych.	Davis	Woods Cross	U	N	68
Benchmark South Regional Hospital**	I	Ramsay Hlth Care	SP/Psych.	SL	Midvale	U	N	80
Bonneville Health and Rehab	I	Bonneville Hlth Serv	SP/Surg.	SL	Salt Lake	U	Y	12
Brigham City Community Hospital	I	Columbia	Columbia	Box Elder	Brigham City	R	N	49
Castleview Hospital	I	Columbia	Columbia	Carbon	Price	R	N	74
Central Valley Medical Center	N	Rural Health Mgmt.	OTHER	Juab	Nephi	R	N	31
Copper Hills Youth Center (Rivendale)	I		SP/Pysch.	SL	West Jordan	U	N	80
Cottonwood Hospital Medical Center	N	IHC, Inc.	IHC	SL	Murray	U	N	213
Davis Hospital and Medical Center	I	Paracelsus Health	OTHER	Davis	Layton	U	N	126
Delta Community Medical Center	N	IHC, Inc.	IHC	Millard	Delta	R	N	20
Dixie Regional Medical Center	N	IHC, Inc.	IHC	Washington	St. George	R	N	137
Fillmore Community Medical Center	N	IHC, Inc.	IHC	Millard	Fillmore	R	N	20

Hospital Name	OWN*	AFFILIATION	OWN/TYPE	COUNTY	CITY	U/R	TEACH.	BEDS
Garfield Memorial Hospital	N	IHC, Inc.	IHC	Garfield	Panguitch	R	N	44
Gunnison Valley Hospital	G	Rural Hlth Mgmt	GOV	Sanpete	Gunnison	R	N	21
HealthSouth Rehab. of Utah	I	HealthSouth	SP/Rehab	SL	Sandy	U	Y	50
Highland Ridge Hospital	I	Am Intl Hlth Sys	SP/Psych.	SL	Salt Lake	U	N	34
Jordan Valley Hospital	I	Paracelsus Health	OTHER	SL	West Jordan	U	N	50
Kane County Hospital	G	Freestanding	GOV	Kane	Kanab	R	N	33
Lakeview Hospital	I	Columbia	Columbia	Davis	Bountiful	U	N	128
LDS Hospital	N	IHC, Inc.	IHC	SL	Salt Lake	U	Y	520
Logan Regional Hospital	N	IHC, Inc.	IHC	Cache	Logan	R	N	148
McKay-Dee Hospital	N	IHC, Inc.	IHC	Weber	Ogden	U	Y	428
Milford Valley Memorial Hospital	G	Rural Hlth Mgmt	GOV	Beaver	Milford	R	N	34
Mountain View Hospital	I	Columbia	Columbia	Utah	Payson	U	N	126
Ogden Regional Medical Center	I	Columbia	Columbia	Weber	Ogden	U	N	227
Olympus View Hospital	I	Comm.Psych.Serv.	SP/Psych.	SL	Salt Lake	U	N	102
Orem Community Hospital	N	IHC, Inc.	IHC	Utah	Orem	U	N	20
Pioneer Valley Hospital	I	Paracelsus Health	OTHER	SL	West Valley	U	Y	139
Primary Children's Medical Center	N	IHC, Inc.	IHC	SL	Salt Lake	U	N	232
Salt Lake Regional Medical Center	I	Paracelsus Health	OTHER	SL	Salt Lake	U	Y	200
San Juan Hospital	G	Managed	GOV	San Juan	Monticello	R	N	36
Hospital Name	OWN*	AFFILIATION	OWN/TYPE	COUNTY	CITY	U/R	TEACH.	BEDS
Sanpete Valley Hospital	N	IHC, Inc.	IHC	Sanpete	Mt. Pleasant	R	N	20

Sevier Valley Hospital	N	IHC, Inc.	IHC	Sevier	Richfield	R	N	42
South Davis Community Hospital	G	Freestanding	GOV	Davis	Bountiful	U	N	39
St. Mark's Hospital	I	Columbia	Columbia	SL	Salt Lake	U	Y	276
The Orthopedic Specialty Hospital	I	Freestanding	SP/Surg.	SL	Salt Lake	U	N	14
Timpanogos Regional Hospital	I	Columbia	Columbia	Utah	Orem	U	N	47
Tooele Valley Regional Medical Center	G	Rural Hlth Mgmt	GOV	Tooele	Tooele	R	N	38
Uintah Basin Medical Center	G	Freestanding	GOV	Duchesne	Roosevelt	R	N	42
University of Utah Hospital	G	Freestanding	GOV	SL	Salt Lake	U	Y	425
University of Utah Neuropsychiatric	G	Freestanding	GOV	SL	Salt Lake	U	Y	90
Utah State Hospital	G	Freestanding	GOV	Utah	Provo	U	N	343
Utah Valley Regional Medical Center	N	IHC, Inc.	IHC	Utah	Provo	U	N	395
Valley View Medical Center	N	IHC, Inc.	IHC	Iron	Cedar City	R	N	48
Veterans Administration Medical Center	G	Freestanding	FEDERAL	SL	Salt Lake	U	N	180
Wasatch County Hospital	N	IHC, Inc.	IHC	Wasatch	Heber	R	N	40

\*G=Government      N=Not for Profit      I=Investor-Owned

\*\*Closed in 1998

**Note:** The hospitals with addresses and phone numbers in the above list, can be obtained as a “cut and paste” document from the website. <http://hlunix.hl.state.ut.us/hda/usersupport.htm> and click on “List of data providers”

### Further Hospital Information

An excellent source for a list of Utah hospitals and addresses is the Utah Department of Health website, <http://hlunix.state.ut.us> and click on “Licensing and Certifying”.